

REPORT
OF THE
Board of Fire Commissioners
CHIEF ENGINEER
AND
FIRE ALARM SUPERINTENDENT
OF THE
San Francisco Fire Department
FOR THE
FISCAL YEAR ENDING JUNE 30, 1891.



SAN FRANCISCO
W. M. HINTON & CO., PRINTERS, 536 CLAY ST.
1891



SAN FRANCISCO
HISTORY CENTER



352.3
Sa523a
1891

San Francisco Public Library

STACKS

REFERENCE BOOK

Not to be taken from the Library

3 1223 03475 2684



• REPORT •

OF THE

Board of Fire Commissioners,

CHIEF ENGINEER

AND

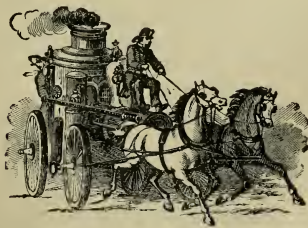
FIRE ALARM SUPERINTENDENT

OF THE

San Francisco Fire Department

FOR THE


FISCAL YEAR ENDING JUNE 30, 1891.



SAN FRANCISCO

W. M. HINTON & Co., PRINTERS, 536 CLAY ST.

1891.



Digitized by the Internet Archive
in 2012 with funding from
California State Library Califa/LSTA Grant

REPORT

OF THE

BOARD OF FIRE COMMISSIONERS.

HEADQUARTERS FIRE DEPARTMENT,
OFFICE BOARD OF FIRE COMMISSIONERS,
OLD CITY HALL,
SAN FRANCISCO, July 1, 1891.

*To the Honorab'le the Board of Supervisors
Of the City and County of San Francisco:*

GENTLEMEN : In compliance with Resolution No. 5,268 (Third Series) of your Honorable Body, the Board of Fire Commissioners herewith present their Annual Report, containing a statement of the expenditures of the Department for the fiscal year ending June 30, 1891 ; also Report of the Chief Engineer, showing the condition of the Department, a statement of the fires and alarms and their causes, and other information pertaining to the Department.

ORGANIZATION.

The Fire Department as now constituted consists of a Board of Fire Commissioners who act without compensation, a Chief Engineer, one First Assistant Chief Engineer, one Second Assistant Chief Engineer and six Assistant or District Engineers, seventeen steam fire engine companies, seven hose companies (including fire-boat), five hook and ladder companies, and one chemical engine company, comprising a force of 369 men of all grades and positions.

FIRE COMMISSIONERS' REPORT.

BOARD OF FIRE COMMISSIONERS.

SAMUEL NEWMAN,
PRESIDENT.

A. J. MARTIN,
T. J. PARSONS,
MAURICE SCHMITT,
FISHER AMES.

GEO. F. MAXWELL,
SECRETARY.

M. L. SPINETTI,
MESSENGER.

UNIFORMED FORCE AND PAY-ROLL.

1 Chief Engineer, salary per annum.....	\$3,000
1 Assistant Chief Engineer, salary per annum.....	2,400
1 Second Assistant Chief Engineer, salary per annum.....	1,800
6 Assistant or District Engineers, salary per annum.....	1,800
17 Engineers of Steamers, each.....	1,680
17 Stokers " ".....	1,080
17 Drivers " ".....	1,080
7 Drivers of Hose Carriages, each.....	1,080
7 Stewards " " ".....	960
5 Drivers of Hook and Ladder, ".....	1,080
5 Tillermen " " ".....	1,080
1 Assistant Drayman at Corporation Yard.....	1,080
1 Foreman and Engineer of Chemical Engine.....	1,500
1 Driver " ".....	1,080
1 Stoker " ".....	1,080
1 Hoseman " ".....	960

MEMBERS AT CALL, NOT UNIFORMED.

29 Foremen of Companies, each.....	\$540
178 Hosemen each.....	420
60 Hook and Ladder Men, each.....	420

FIRE COMMISSIONERS' REPORT.

3

CORPORATION YARD EMPLOYEES.

1 Superintendent of Engines.....	\$1,800
1 Assistant Superintendent of Engines.....	1,680
1 Engineer and Machinist.....	1,630
1 Clerk of Corporation Yard.....	1,500
1 Veterinary Surgeon.....	720
2 Hydrantmen, each.....	1,080
1 Carpenter.....	1,200
1 Drayman.....	1,080
1 Watchman.....	900
1 Hostler.....	900
1 Assistant Drayman.....	1,080

EXPENDITURES.

The expenditures of the Department, as shown by the books of the Commissioners, are as follows:

Total amount appropriated.....	\$110,000 00
Total amount expended	\$119,671 62
Overdraft.....	9,671 62
Salaries of officers and members.....	247,723 83
Total cost of Department.....	\$367,395 50

RECAPITULATION OF EXPENDITURES.

Repairs to apparatus.....	\$22,089 20
Hardware, Tinwork and Ship Chandlery.....	2,298 66
Repairs to houses.....	26,601 71
Forage.....	12,151 09
Fuel.....	3,672 35
Horseshoeing.....	3,961 50
Harness and repairs.....	4,384 04
Hose.....	10,750 0
Horses.....	3,110 00
Setting hydrants.....	6,729 2
Printing and stationery.....	353 55
Telephone service.....	2,477 91
Small stores and Supplies, etc.....	4,280 44
Medicine for horses, etc.....	352 55
Keeper of Almo Square stables.....	900 0

FIRE COMMISSIONERS' REPORT.

Rubber Goods.....	208 24
Hydrants, castings, etc.....	2,904 15
Furniture.....	338 00
Rents of houses.....	3,033 00
Paints, oils, glass, etc.....	830 36
Sundries.....	4,398 15
Board of horses.....	591 00
Apparatus.....	490 00
Painting.....	1,277 00
Brasswork.....	442 67
Architect's services.....	1,096 95
	<hr/> \$119,871 26

Total valuation of property of all kinds held in trust by the Board of Fire Commissioners is as follows:

Real estate and improvements.....	\$525,000 00
Apparatus.....	165,000 00
Horses and harness.....	55,000 00
Furniture and supplies.....	10,500 00
Hose and couplings.....	40,000 00
Machinery and tools in repair shop.....	12,300 00
Hydrants in use, 1,711.....	126,619 50
	<hr/> \$934,419 50

Pursuant to Order No. 2031, amendatory of section 86 of Order 1917, of your Honorable Board, regulating the sale of fireworks in this city and county, there has been granted 120 permits to sell fireworks.

9 wholesale permits at \$50 each.....	\$450 00
111 retail permits at \$10 each.....	1,110 00
	<hr/> \$1,560 00

One-half of which has been turned over to the License Collector; the other half to the Treasurer of the Charitable Fund of this Department, with the exception of three hundred and eighty-five dollars which has been withheld by order of your Honorable Board.

RULES AND REGULATIONS.

OFFICE.

1. The Office of the Board of Fire Commissioners shall be the office of the Chief Engineer of the Department, and shall be known as the Headquarters of the San Francisco Fire Department. Office hours for the transaction of business shall be from 9 A. M. to 4 P. M. Sundays and legal holidays excepted.

DIVISIONS.

2. There shall be two divisions of the Fire Department of the City and County of San Francisco, viz.

Division No. 1, comprising [Districts Nos. 1, 2 and 5, under the immediate supervision of the Assistant Chief Engineer of the Department.

Division No. 2, comprising Districts Nos. 3, 4 and 6, under the immediate supervision of the Second Assistant Chief Engineer of the Department.

DISTRICTS.

3. District No. 1.—Commencing at the northeasterly corner of Market and Stockton streets running easterly on northerly line of Market street to bay, and northerly on easterly line of Stockton street to bay.

District No. 2.—Commencing at southeasterly corner of Market and Seventh streets, easterly on southerly line of Market street to bay, and south on easterly line of Seventh street to Centre of Sixteenth street, and easterly on Centre or Sixteenth street to bay.

District No. 3.—Commencing at southwesterly corner of Market and Seventh streets, southerly on westerly line of Seventh street to Centre or Sixteenth street, and westerly on Centre or Sixteenth street to its intersection with Market street, and easterly on southerly line of Market street to point of commencement.

District No. 4.—All territory south of Districts Nos. 2 and 3, and south of southerly line of Market street from Sixteenth, and south of contemplated extension of Sixteenth street.

District No. 5.—Commencing at northwestern corner of Stockton and Market streets, running northerly on westerly line of Stockton street to bay, and westerly on northerly line of Market street to Van Ness avenue, and northerly on easterly line of Van Ness avenue to bay.

District No. 6.—All territory west of District No. 5, and north of Districts Nos. 3 and 4.

HEADQUARTERS.

4. The headquarters of the Chief Engineer shall be, during office hours, at the Headquarters of the Fire Commissioners. After office hours, which shall be construed as being between the hours of 9 A. M. and 4 P. M., Sundays and legal holidays excepted, he shall be at the house of Engine Company No. 2, on Bush street, above Kearny.

Headquarters of Assistant Chief Engineer and Chief of Division No. 1, shall be, during office hours, at the office of the Chief Engineer, and after office hours, at the house of Engine Company No. 4, on Second street, near Howard.

Headquarters of Second Assistant Chief Engineer and Chief of Division No. 2, shall be at the house of Truck Company No. 3, on Market street, between Tenth and Eleventh.

Headquarters of District Engineer of District No. 1, shall be at the house of Engine Company No. 1, on Pacific street, near Sansome.

Headquarters of District Engineer of District No. 2, shall be at the house of Engine Company No. 6, on Sixth street, near Folsom.

FIRE COMMISSIONERS' REPORT.

Headquarters of District Engineer of District No. 3, shall be at the house of Truck Company No. 3, on Market street, between Tenth and Eleventh.

Headquarters of District Engineer of District No. 4, shall be at the house of Hose Company No. 3, on Folsom street, between Twenty-first and Twenty-second.

Headquarters of District Engineer of District No. 5, shall be at the house of Engine Company No. 3, on California street, near Leavenworth.

Headquarters of District Engineer of District No. 6, shall be at the house of Hose Company No. 2, on Post street, near Fillmore.

CLERK.

5. The Clerk of the Board of Fire Commissioners shall attend daily at the headquarters of the Department, and shall devote his whole time and attention to the duties thereof. He shall keep a true record of all the proceedings of the meetings of the Board of Fire Commissioners, and shall enter in the minutes of each monthly meeting all the appointments made by the Commissioners, and by whom made; and shall perform such other duties as may be prescribed by said Board and Chief Engineer. He shall also perform the duties of clerk to the Chief Engineer and Assistant Chief Engineer.

MEMBERSHIP.

6. Every person hereafter appointed a member of the San Francisco Fire Department must at the time of his appointment be over twenty-one years of age, a citizen of the United States, and be able to converse understandingly in the English language. He shall make application to the Board of Fire Commissioners in writing over his own signature, stating the position he is an applicant for, his name, age, birthplace, residence and business occupation. Any person applying for the position of hoseman or truckman must be of sound bodily health, and over twenty-one and not over thirty years of age.

Each and every member of the Department hereafter appointed shall procure a certificate from the Board of Examining Physicians appointed by the Board of Fire Commissioners that he is in sound health. Failing to comply with this requirement within five days from the date of his appointment, the position shall be declared vacant.

THE CHIEF ENGINEER.

7. The Chief Engineer shall devote his whole time and attention to the Fire Department, have sole and entire command at fires and alarms of fires over all officers, members and employees of the Department, and all apparatus and appurtenances belonging to the same, and he shall take all measures which he shall deem expedient for the extinguishment of fires, protection of property, preservation of order, and observance of the laws of the State, ordinances of the City, and rules and regulations of the Board of Fire Commissioners. It shall be the duty of the Chief Engineer to examine into the condition of all the houses, apparatus and appurtenances belonging to the Department, to examine Engine, Hose and Hook and Ladder companies, and to appoint all clerks and assistant foremen of companies in the Department. The Chief Engineer is vested with the power to suspend any officer, member or employee of the Department who shall refuse or neglect to perform the respective duties assigned them, or shall refuse or neglect to comply with the rules and regulations of the Commissioners, and report such action. It shall be the duty of the Chief Engineer to report from time to time to the Commissioners the name of such officer or member of the Department, if any, who, in his judgment, should be removed or discharged, with his reasons therefor. In all cases of removal from the Department, the name of the party removed, with a statement of the reasons therefor, shall be entered in the minutes of the Board. He shall be responsible to the Board of Fire Commissioners for the conduct and management of the members of said Department and shall report to the Board of Fire Commissioners any officer or member of the Department who, by reason of age, disease, accident, or other incompetency, does not or cannot fully, energetically promptly and properly perform his duty in the Department.

ASSISTANT CHIEF ENGINEER.

8. The Assistant Chief Engineer shall devote his whole time and attention to the Fire Department. It shall be his duty to respond to all alarms of fires except in case of sickness or the absence of the Chief Engineer, to take charge at fires and alarms of fire, and in case of the absence of the Chief Engineer he shall assume the same duties and have the same power as devolves upon the Chief Engineer. It shall be his duty to visit the houses connected with the Department at least once in every week, and report the condition of each to the Chief Engineer.

ASSISTANT OR DISTRICT ENGINEERS.

9. It shall be the duty of the District Engineers to devote their whole time and attention to the Fire Department; to respond to all alarms of fires within their respective districts assigned to them and report to the Chief or Assistant Chief on his arrival at the fire, and report, in writing, daily to the Chief of his division the conditions of the several houses and apparatus in his district, compiled from written reports from the different officers of the companies in his district as hereinafter provided. They shall also attend to their duties as Fire Wardens within their respective districts, and see that all orders emanating from the Board of Fire Commissioners or Chief Engineer, or Chief of Division are strictly enforced within their respective districts.

In case of the absence at any fire the District Engineer shall assume and perform the duties of Chief Engineer until the arrival of the Chief Engineer or Chief of Division.

The District Engineers of Districts Nos. 1, 2 and 5 shall report to Chief of Division No. 1 at his headquarters daily, in writing, between the hours of 11 A. M. and 1 P. M., and shall immediately return to their respective districts.

The District Engineers of Districts Nos. 3, 4 and 6 shall report to the Chief of Division No. 2 at his headquarters daily, in writing, between the hours of 11 A. M. and 1 P. M., and shall immediately return to their respective districts.

No District Engineer shall, except in case of fire, absent himself from his district, except by permission of the Chief of his Division, except when engaged in going to and from his division headquarters.

FOREMAN OF COMPANIES.

10. The Foreman of each Engine, Hose and Hook and Ladder Company shall at all fires direct the apparatus in a suitable position at the scene of fire, and the Foreman of each Engine and Hose Company shall have charge and directing of hose and hosemen.

The Foreman of each Engine, Hose and Hook and Ladder Company shall have charge of the apparatus belonging to his company. He shall preserve order and discipline at all times among the members of the company under him, and require of them and enforce a strict compliance with the rules and regulations of the Department and the orders of the Chief Engineer. He shall report to the Chief Engineer any violation of any of the rules and regulations of the Department, or neglect of duty by any of the men under his charge. He shall see that no person other than a member of the Department (except a substitute acting for a member) shall sleep in the house, nor shall he allow any person not a member of the Department to lounge in and around the house. He shall not excuse any member of his company from answering roll call on returning from an alarm of fire during the hours of 8 P. M. and 5 A. M.

ASSISTANT FOREMAN.

11. The Assistant Foreman shall in the absence of the Foreman exercise the same duties, and shall have the same powers as devolve on the Foreman.

CLERKS OF COMPANIES.

It shall be the duty of the Clerk of each company to keep an accurate record of the membership of his company in a book provided for that purpose, and to note accurately therein all absentees at all alarms of fire or drills, and to correctly keep an account of weights and qualities of feed, fuel, stores and other articles received at the house for the use of the company, and to transmit a correct copy to the Board of Fire Commissioners on the last day of each month. Said Clerk shall make a minute of the reasons on the roll call of all absentees from said roll call during the hours of 8 P. M. and 5 A. M.

ENGINEERS OF STEAMERS

12. Each applicant for the position of Engineer of Steamers shall be a regular practical engineer. All applicants, after having passed a medical examination, shall be examined by the Superintendent and Assistant Superintendent of Steamers, appointed by the Board of Fire Commissioners.

The Engineer of each steamer shall give his entire time to the interest of the Fire Department, and shall always be at the Engine House where his engine is kept, except when directed by the Chief Engineer to perform other duty, or when at meals. He shall, under the direction of the Foreman, have sole care of the Engine House and of all property therein belonging to the city. He shall be held personally responsible for the care and order of the engine, and shall work and manage the same, and see that it is at all times ready for immediate use, and while working at fires he

FIRE COMMISSIONERS' REPORT.

shall not be allowed to use over eighty (80) pounds pressure of steam, and not over one hundred and twenty (120) pounds pressure on hose, unless otherwise ordered by the Engineer in charge. It shall be his duty to take the number of the box coming in from all alarms of fires, and report the number of box located to the driver. He shall report daily to the Assistant Engineer of his district the condition of the house and apparatus in his charge. He shall also assist in keeping the house and apparatus clean and in good order, and shall have the same ready for inspection daily at 10 A. M.

DRIVERS.

14. The drivers belonging to the several companies shall devote their whole time and attention to the Fire Department, shall take care of and properly groom the horses belonging to their respective companies, see that the same are at all times ready for immediate use to convey the apparatus to the scene of the fire on an alarm being sounded, and perform such other duties as may be required of him by the Foreman of his company, and shall also keep everything in and around the stable neat and clean. He shall report daily to the Assistant Engineer of the district wherein his company is located the condition of his horses and harness, and shall have his horses and harness cleaned and ready for inspection daily at 10 o'clock A. M. He is strictly prohibited from racing going to or returning from alarms of fire, nor shall he permit his apparatus to pass any other apparatus of the Department unless such apparatus or horses should be disabled; nor shall he drive his horses at a rate of speed that may be liable to cause accidents.

FIREMEN OF STEAMERS.

15. The Fireman of each engine company shall devote his whole time and attention to the Fire Department; he shall be under the direction of the Engineer of his company, assist in the care and cleanliness of the apparatus and the house, and see that the engine is properly supplied with fuel and perform such other duties as the Engineer may direct.

TILLERMAN.

16. The Tillerman of each Hook and Ladder Company shall give his entire time and attention to the Fire Department, and shall be required, under direction of the Foreman, to keep the apparatus of his company neat and clean. He shall report daily, in writing, to the Assistant Engineer of his district the condition of the apparatus and house, and shall take the box and location that comes in from all alarms of fire, and report the same to the driver; he shall have the house and apparatus ready for inspection daily at 10 A. M.

STEWARDS OF HOSE COMPANIES.

17. The Steward of each Hose Company shall give his entire time and attention to the Fire Department, and shall keep the apparatus and house of his company clean and ready for immediate use, and in the absence of the driver to his meals he shall perform the same duties as the driver. He shall take the number of box and location that comes in from all alarms of fire and report the same to the driver, and shall report daily to the Assistant Engineer of the district the condition of the house and apparatus. He shall obey all orders of the Foreman of his company, and have the house and apparatus ready for inspection daily at 10 A. M.

EXTRAMEN.

18. It shall be the duty of the Hosemen and Hook and Laddermen of each and every company of the Fire Department to attend all fires immediately upon an alarm being sounded, and to report to the officer in command of their respective companies, to obey all orders in respect to the discharge of their duty, and to return to their respective houses with their apparatus to answer roll call. They shall be required to meet as often as once in each month, at regular monthly meetings, to be determined by their respective foremen; and any member of any company who is reported absent at three or more alarms of fire or drills in any one month, without giving a satisfactory excuse to the Chief Engineer, shall be liable to suspension or dismissal from the Department, at the option of the Board of Fire Commissioners, but no member shall be excused from answering roll call between the hours of 8 P. M. and 5 A. M. Each extraman assigned to duty to any truck shall forthwith provide himself with a four-cone leather fire hat, and shall wear the same at all alarms of fires and at drills.

FIRE COMMISSIONERS' REPORT.

59

SUPERINTENDENT OF STEAMERS.

19. The Superintendent of Steam Fire Engines shall give his entire time and attention to the Fire Department, and shall supervise all repairs and improvements upon the apparatus of the Fire Department. He shall have general supervision of all the steam fire engines connected with the Fire Department, and of the Engineers of said engines. He shall examine the engines at least once a week, and report to the Chief Engineer in writing, once a month, any repairs or improvements necessary. He shall report all cases of neglect of duty or carelessness on the part of any Engineer to the Chief Engineer. He shall answer all general alarms of fire being sounded, repair with all possible dispatch to the point from whence the alarm comes, and see that the Engineers are all in charge of their respective engines and working the same properly.

ASSISTANT SUPERINTENDENT OF STEAMERS.

20. The Assistant Superintendent of Steam Fire Engines shall devote his whole time and attention to the Fire Department, shall be under the direct control of the Superintendent of Engines, and shall faithfully execute all orders issued by him. He shall also perform such other duties as may be prescribed by the Chief Engineer. He shall be in attendance at the Corporation Yard, when not otherwise engaged in the discharge of his duties, daily, Sundays and legal holidays excepted, from 8 A. M. to 5 P. M., and such other times as the Superintendent of Steamers or Chief Engineer may direct.

CORPORATION YARD CLERK.

21. The Clerk and Storekeeper of the Corporation Yard shall, under direction of the Chief Engineer, give his undivided attention to the duties connected with his office. He shall have care of, and deliver to the several companies, all supplies required for the use of the Fire Department. He shall keep a plain and comprehensive set of books, containing an account of all supplies received by him and delivered to the several companies. He shall see that a full supply is kept on hand at the Corporation Yard for distribution to the several companies. In no case shall he deliver any supplies to any company or any member of the Department except upon a written order from the Chief Engineer, Assistant Chief, or Clerk of the Fire Department, except at alarms of fire. He shall perform such other duties as may be required of him by the Chief Engineer, and make a monthly report to the Board of Fire Commissioners of stores received and delivered by him to the companies. He shall be at the Corporation Yard daily, Sundays and legal holidays excepted, from 8 A. M. to 5 P. M., and such other times as the Chief Engineer may direct.

CORPORATION YARD DRAYMAN.

22. The Corporation Yard Drayman shall devote his whole time and attention to the Fire Department, report to the Chief Engineer at least once every day, and hold himself in readiness at all times to attend to any business connected with the Fire Department, when so directed by the Chief Engineer.

He shall take charge of all the relief horses at the Corporation Yard, and assist in the taking care of said horses, and shall be in attendance at the Corporation Yard when not otherwise engaged in the discharge of his duties, daily, Sundays excepted, from 8 A. M. to 5 P. M., and at such times as the Chief Engineer may direct.

MESSENGER.

23. The Messenger at headquarters shall be in attendance daily, Sundays and legal holidays excepted, from 8 A. M. to 5 P. M. He shall attend at all meetings of said Commissioners, keep said offices clean and in proper order, and attend to such other duties as the Chief Engineer may direct.

HYDRANTMEN.

24. The Hydrantmen shall attend to all hydrants and cisterns in their respective districts, see that the same are in good working condition, that the hydrants are well oiled and packed, caps securely fastened, and ready at all times for immediate use. They shall see that they are kept free from obstructions of every character, so that they can be readily reached and connections made with them to supply the engines with water when a fire occurs. They shall report each month, in writing, to the Chief Engineer the condition of the same, and shall assist in keeping the Corporation Yard and office of said yard clean and in proper condition; they shall report the number of hydrants attended to in their district, and their location; they shall also be in attendance at the Corporation Yard daily, Sundays and legal holidays excepted, when not otherwise engaged in the discharge of their duties, from 8 A. M. to 5 P. M., and at such other times as the Chief Engineer may direct.

FIRE COMMISSIONERS' REPORT.

VETERINARY SURGEON.

25. The Veterinary Surgeon shall hold himself in readiness at all times to attend to any horses of the Fire Department that may require his attention. He shall report to the Chief Engineer at least once every day for orders, and promptly attend to any sick or disabled horses belonging to the Fire Department.

The person assigned to the duties of taking care of the sick and disabled horses shall devote his whole time and attention to the Fire Department; shall report to the Veterinary Surgeon daily the condition of the horses under his charge, and obey all orders the Veterinary Surgeon may direct, and obey all orders emanating from the Chief Engineer.

CORPORATION YARD HOSTLER.

26. The Corporation Yard Hostler shall be in attendance at the Corporation Yard daily between the hours of 8 A. M. and 5 P. M. He shall assist the Drayman and Watchman in taking care of the Corporation Yard stables and the horses and harness connected therewith, and attend to such other duties as the Chief Engineer may direct.

ALMO SQUARE STABLE HOSTLER.

27. The Hostler at the Fire Department stable on Almo Square shall devote his whole time and attention to the care of the horses, etc., in his charge; he shall obey all orders in regard to the feeding and care of the horses emanating from the Veterinary Surgeon, and such other duties as the Chief Engineer may from time to time prescribe.

PAINTER.

28. The Fire Department Painter shall be in attendance at the Corporation Yard daily between the hours of 8 A. M. and 5 P. M. (Sundays and legal holidays excepted), when not otherwise engaged in the discharge of his duties; he shall keep his brushes and apparatus in good order, and obey all orders emanating from the Board of Fire Commissioners or Chief Engineer.

CARPENTER.

29. It shall be the duty of the Carpenter to devote his whole time and attention to the Fire Department, to be at the office of the Board of Fire Commissioners daily, when not otherwise engaged in the discharge of his duties, Sundays and legal holidays excepted, from 8 A. M. to 5 P. M. and at any other times the Chief Engineer may direct. Whenever he has need of assistance and material in repairing any property belonging to the Department, he shall make a written application to the Chief Engineer, stating the repairs, etc., necessary to be made. He shall make a report in writing once a month to the Board of Fire Commissioners of the number of men employed, also the number of days employed, the nature of the repairs made, and the amount of material used in making said repairs.

THE CORPORATION YARD WATCHMAN.

30. The Corporation Yard Watchman shall be in attendance at the Corporation Yard at all times when the yard is closed. He shall be in readiness to fulfill all orders emanating from the Chief Engineer. He shall assist the Corporation Yard Drayman in taking care of and properly grooming the relief horses in the Department, and keep the stable neat and clean, and obey all orders from the Veterinary Surgeon.

LEAVE OF ABSENCE.

31. No member of the Fire Department shall absent himself from the city for more than ten days, except by permission of the Board of Fire Commissioners, and any member of the Fire Department requesting a leave of absence for more than ten days must apply in writing to the Board of Fire Commissioners for the same.

SUBSTITUTES.

32. All Substitute Hosemen or Truckmen shall be selected by the Chief Engineer, and all Substitute Drivers, Firemen and Stewards shall be selected by said Chief Engineer from the list of substitutes named by the Board of Fire Commissioners. All Substitute Engineers shall be selected by the Superintendent of Steamers from the list named by the Board of Fire Commissioners, and said Substitute Engineers must have the same qualifications as a regular Engineer of Steamers.

No Engineer, Driver, Fireman, Steward or Tillerman, shall leave the city without having first procured a substitute satisfactory to the Chief Engineer; and any other member of a company about to leave the city shall be required to furnish a substitute, subject to the approval of the Chief Engineer, failing to do which he is liable to dismissal.

Substitute Drivers, Stewards or Firemen selected by the Board of Fire Commissioners shall report daily to the Chief Engineer at headquarters, and shall be in attendance at all times, to be assigned to duty in case of need.

SUSPENSIONS.

32. In all cases where any member of the Fire Department is suspended for any transgression or the rules and regulations, charges shall be immediately preferred against said member, and no member shall be reinstated until a trial of the charges are had by the Board of Fire Commissioners.

REWARDS.

34. No member of the Department shall receive any rewards or presents of any kind for service rendered in the discharge of his duties without the permission of the Board of Fire Commissioners or the Chief Engineer.

TO SURRENDER PROPERTY.

35. Members of the Fire Department, on resignation or dismissal, will immediately surrender to the Chief Engineer all property in their possession belonging to the Fire Department.

FIRE LINES.

36. No person will be allowed within the lines formed by the police at a fire, unless he be a member of the Fire Department or wearing the regulation badge authorized by the Board of Fire Commissioners. Members of the Fire Department will, when on duty, have their badges displayed conspicuously on their left breast. Any violation of this rule will subject the offender to suspension.

BADGES.

37. Members of the Department are strictly prohibited from exchanging or loaning badges. Any member losing his badge will be charged the sum of \$1 to replace it.

DRIVING OVER HOSE.

38. Crossing a line of hose, when in use, is, except in cases of absolute necessity, strictly prohibited.

DRIVERS HELD RESPONSIBLE.

39. Drivers will be held responsible for any damage caused by them or carelessness displayed in conveying their apparatus to or from a fire or alarm of fire.

TO LODGE IN THE COMPANY HOUSE.

40. The Engineer, Firemen, Drivers, Tillermen and Stewards of companies shall lodge in their respective houses, and one of their number shall be on the floor of the house at all times during the day and night, the watch to be set by the Engineer of the district, and not less than three hosemen or four truckmen or their substitutes shall lodge in the houses of their respective companies, to be designated in rotation by the Foreman.

PROPERTY TO BE RETURNED.

41. Officers of companies having hose or other property belonging to other companies after a fire, shall return the same to the company to which it belongs as soon as practicable.

DUTIES AT FIRES.

42. The Foreman or Assistant Foreman of each company, when in service, shall remain with the company to direct the operations of the members thereof. Members of the several companies except when otherwise engaged, or on special duty, shall keep within hearing distance of their respective Foremen and strictly obey all orders emanating from them.

FIRE COMMISSIONERS' REPORT.

REMOVAL OF APPARATUS.

43. No company will be allowed to take their apparatus away from the house, except in case of fire or drill, without the consent of the Chief or acting Chief Engineer.

The Hook and Ladder Companies must at all fires or alarms of fires report themselves the same as other companies, and take their places as near the fire as practicable, in such a position that they can be found conveniently, and shall remain there until ordered to move.

UNIFORMS.

44. The Chief Engineer, Assistant Chief Engineer, Assistant Engineers, Engineers of Steamers, Drivers, Fireman and Tillerman shall, when on duty (except at fires), wear uniform hereafter described.

The Chief of Department—A white leather cap with eight cones, having a gilded leather front, depending from a gilt edge head, and attached to the front of the cap with the insignia of his rank painted upon it in black shaded with red, and also the word Chief, in black letters shaded with red, upon a scroll of gold. For Assistant Chief, same as the Chief of Department, with the insignia of his rank; also the words Assistant Chief. For Assistant Engineers, same as for Chief of Department, with the insignia of their rank; also the words Assistant Engineer.

FOR INSIGNIA OF RANK.

45. For Chief Engineer—Five trumpets, measuring one and five-sixteenths inches, each crossed with bells outward and projecting beyond mouth-pieces, so as to form a design one and one-half inches in diameter, to be embroidered in gold upon a circle of dark blue cloth. For Assistant Chief Engineer, same as for the Chief Engineer, except that there shall be three trumpets, measuring one and one-half inches each, crossed with bells downward. For Assistant Engineers, same as for the Assistant Chief Engineer, except that there shall be two trumpets embroidered on an oval of dark blue cloth.

FATIGUE HATS.

46. For Chief Engineer, Assistant Chief Engineer and Assistant Engineers—Black felt army hat, with the insignia of their respective ranks on the front of the hat.

COAT.

47. For the Chief Engineer—A double-breasted, close-fitting sack coat, made of dark blue navy cloth, cut to button close to the neck, with rolling collar, and to reach to a point midway between the hip joint and bend of the knee; to have eight medium-size regulation buttons on each breast, grouped in pairs; the cuffs to be made to fit the wrists, and to be closed with four small regulation buttons; to have a pocket on the inside of each breast; the coat to be lined with dark cloth or flannel and the sleeves with linen.

Coats for Assistant Chief and Assistant Engineer and members compelled to wear uniforms—Same as for the Chief of Department, except that the buttons will be six in number on each breast, placed equidistant.

VEST.

48. For all officers and members of the Department compelled to wear uniforms—A single-breasted vest, made of the same material as the coat, without collar, and to button with six small regulation buttons to within five inches of the neckband.

TROUSERS.

49. For all officers and members of the Department compelled to wear uniforms—To be made of the same material as the coat, with lap seams; to be cut to fit close around the waist, but loosely around the hams and legs, to admit of their free use.

SHIRT.

50. For all officers and members of the Department compelled to wear uniforms—To be of white linen or muslin, with turn-down collar.

CRAVAT.

51. For all officers and members of the Department compelled to wear uniforms—A narrow necktie or bow of black silk, tied in a flat knot in front, the ends to extend not more than three inches from the knot.

FATIGUE CAP

52. For members of Fire Department compelled to wear uniforms—Of United States navy pattern, made of dark blue cloth, pure indigo dye, with band one and one-half inches, and quarters one and three-quarters inches high, stiffened with hair cloth sewed into the seam of top and quarters; the top to have a small hole for ventilation in the center, and to be lined with red silk; a narrow welt around the bottom of band and top seam of cap; the inner band to be of strong, serviceable leather; the vizer to be plain, solid, black patent leather, two inches wide, with rounded corners; the chin-strap of black patent leather, one-half inch wide, with slides of the same material, fastened to the cap on each side with a small regulation button; the insignia of position to be placed in the quarters in center of the front, in gold or gilt letters, the lower points resting nearly upon the upper edge of band.

MISCELLANEOUS.

53. No member of the Fire Department shall be a delegate in person or by proxy to, or a member of any political or partisan convention, State Central Committee, or County Committee, nor while a member of said Fire Department shall be a candidate before any convention for any political office.

54. No member of the Fire Department shall be allowed to bring into any house belonging to said Department any spirituous, malt or intoxicating beverages of any kind, nor shall there be allowed any gambling devices of any kind in said Department. Nor shall any member, at any time, be under the influence of any spirituous, malt or intoxicating beverages, liquors, drugs or compounds while on duty. Nor shall he be guilty of immoral or improper conduct, nor engage in any altercation.

55. No member of the Fire Department shall sell or assign his salary or incur liabilities for the necessities of himself or family which he is unable or unwilling to pay, or neglect or refuse to honorably discharge; shall not use obscene, immoral, disrespectful, impudent or other improper language, but shall always be respectful and gentlemanly to his superiors and equals, and to citizens.

56. Interference in any manner by one employee with the duties of, or the performance of the same by another, is prohibited, and it shall be the duty of each employee to make immediate report of such interference to the Chief Engineer.

57. If by accident, or otherwise any person is damaged by any company, it shall be the duty of the Foreman of the company causing the damage to report the same immediately to the Chief Engineer, and he shall immediately investigate the matter and report the same in writing to the Board of Fire Commissioners.

58. Any member of the Fire Department meeting with an accident in the discharge of his duty, shall, within ten days, report the same to the Chief Engineer; and he shall, immediately on receiving notice of same, report the same in writing to the Board of Fire Commissioners.

9. All employees, such as mechanics, laborers, etc., employed in the Corporation Yard, shall be in attendance daily from 8 A. M. to 5 P. M., Sundays and legal holidays excepted. And they and each of them shall obey all orders emanating from the Superintendent of Steam Fire Engines, or in his absence the Assistant Superintendent of Steam Fire Engines.

60. Telephones in Department houses shall not be used by any person not a member of the Department, nor for any purpose other than business connected with the Fire Department.

Nothing contained in these rules shall preclude the Fire Commissioners and Chief Engineer from at any time requiring any or either of the employees of the Department, serving under their directions, to perform such other duties not herein specially prescribed for them, as the interests of the Department service may in their opinion demand or require.

VIOLATIONS OF RULES.

62. Any and all violations of these rules and regulations not otherwise provided for, shall be punishable by suspension or dismissal, as the Board of Fire Commissioners may elect.

63. All rules and regulations in conflict with these rules and regulations are hereby repealed.

FIRE COMMISSIONERS' REPORT.

AMENDMENTS.

May 10, 1890—All nominations for positions in this department shall be made in open Board.

Upon the applicant receiving the majority vote of this Commission he shall be deemed elected to said position, subject to the approval of the Chief Engineer.

January 3, 1891—All substitutes for extramem who are duly appointed by the Chief Engineer to run to fires during the daytime shall be allowed \$10 per month for their services.

July 12, 1890—The Corporation Yard Drayman shall devote his whole time and attention to the Fire Department, report to the Chief Engineer at least once a day, and hold himself in readiness at all times to attend to any business connected with the Fire Department.

He shall have full charge of all the horses of the Department, shall see that they are properly mated, groomed, etc.

He shall have full charge of the Corporation Yard and Alamo Square Stables, and see that they are kept in proper order.

He shall be in attendance at the Corporation Yard (when not otherwise engaged in the discharge of his duties) daily from 8 A. M. to 5 P. M. (Sundays and legal holidays excepted) and at such other times as the Chief Engineer may direct.

March 7, 1891—All substitute Hosemen or Truckmen, all substitute Firemen, Drivers, Stewards and Engineers, shall be appointed by this Commission in open Board. All substitute Engineers shall pass the same examination as a regular Engineer, and shall be assigned to duty in rotation by the Superintendent of Steamers.

All other substitutes appointed by this Commission shall be assigned to duty by the Chief of the Department in regular rotation.

July 25, 1891—All District Engineers must report to Department Headquarters in person through telephone immediately upon their departure and immediately upon their arrival at their respective stations during office hours (except in case of fire). Any District Engineer desiring to leave his district at any time for other than official business must first procure permission from the Chief Engineer.

All District Engineers must fully report immediately to Department Headquarters upon their return to their stations the result of all alarms of fire in their respective districts by telephone and also in writing in their daily reports, including as fully as possible cause of fire, name of owner and occupant and amount of loss, to the best of their ability, between the hours of 9 A. M. and 4 P. M. At all other times the above report must be made in writing upon their daily reports to Division Headquarters.

July 30, 1891—All Foremen of Companies are directed and required to report in writing immediately to the District Engineer of their respective district, the name of any member of their company injured in the discharge of his duty, with cause of accident and injury received, and on receipt of said information the District Engineers are directed to report the same immediately to the Chief Engineer in writing.

REPORT OF THE CHIEF ENGINEER

OF THE

SAN FRANCISCO FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
OLD CITY HALL,

SAN FRANCISCO, July 1, 1891. }

*To the Honorable the Board of Supervisors
Of the City and County of San Francisco :*

GENTLEMEN: According to the law governing the Department, the undersigned, Chief Engineer, has the honor of herewith submitting for your consideration the following report of the operations of the Department under his charge for the fiscal year ending June 30, 1891.

Therein will be found a full list of the officers and members comprising the force, a record of the alarms responded to, and fires that have occurred during the year; the loss by fire and the amount of insurance on property affected; the aggregate of insurance paid; also such suggestions and recommendations that appear to me necessary to increase the efficiency of this branch of the municipal service.

During the year the Department responded to 414 first-bell alarms, 6 second-bell alarms, and 208 still or verbal alarms, making a total of 628 alarms of fire answered during the year.

The total loss by fire as determined by Captain White of

the Underwriters' Fire Patrol was	\$970,749 35
Amount of insurance paid	726,397 57
Actual loss to property-owners	\$293,351 78

CHIEF ENGINEER'S REPORT.

NOTABLE FIRES.

July 26, 1890—Time, 11:18 A. M.; Box 281. Two-story frame building on San Bruno road, occupied by Mark Strouse as a packing house. Loss, \$19,307.

October 22, 1890—Time, 1:58 A. M.; Box 148. Sixteenth street, near Harrison. Pacific Candle Factory and others. Loss, \$53,000.

November 3, 1890—Time, 2:43 A. M.; Box 38. Burlington Hotel and others. Second alarm, 3:27 A. M. Loss, \$208,100.

November 13, 1890—Time, 10:38 P. M.; Box 32. Wangenheim Building and others, corner Sacramento and Davis streets. Second alarm, 10:55 P. M. Loss, \$167,000.

December 10, 1890—Time, 1:07 A. M.; Box 53. Pacific Lead and Oil Works, King street, between Second and Third. Second alarm, 1:15 A. M. Loss, \$59,655.

January 21, 1891—Time, 8:20 A. M.; Box 17. Chinese dwelling, southwest corner Sullivan and Baker alley, Chinatown. Second alarm, 8:38 A. M. Loss, about \$7,000.

June 10, 1891—Time, 8:36 P. M.; Box 281. Packing house, occupied by Mark Strouse, on San Bruno road. Loss, \$34,066.

June 29, 1891—Time, 2:58 P. M.; Box 293. Chinese lodging-house, southeast corner Sullivan and Baker alley. Second alarm, 3:08 P. M. Loss, \$17,264.

CASUALTIES.

In view of the dangerous duties the members of the Department have to perform, and the great risks they take in the discharge of those duties, the casualties, I am pleased to say, have been few during the year. The following is the list of the most serious:

August 10, 1890—James Conniff, Foreman of Engine Company No. 1, fell from ladder, Box 31. Internal injuries.

August 31, 1890—James Fay, Foreman Engine Company No. 2, fell from balcony and broke shoulder blade.

August 31, 1890—Gus Mathison, Hoseman in Engine 17, fell from roof, sustaining fracture to jaw and injury to spine.

July 6, 1890—John P. Reimer, Hoseman in Engine 9, struck with harness hangers and lost an eye.

DEATHS.

During the year the following members and employees of the Department died:

T. J. Driscoll, of Engine 3, died of consumption.

Thomas Tracy, of Engine 2, died of asphyxiation.

Edward Riley, of Engine 5, fell from ladder at a drill and died from injuries received

F. Simmons, of Truck 2, died of consumption.

RECOMMENDATIONS.

I respectfully recommend increasing the force of the Department by organizing companies in the various unprotected sections of the city.

Also, the changing of Hose Companies (from time to time, as the occasion may require) to Chemical Engine Companies and Steam Engine Companies, Truck Companies, etc.

I also recommend the removal of the stable from its present quarters at the Corporation Yard to a more central location.

Also, the alteration of the Corporation Yard Building, so that it may be used for a repair shop for all kinds of work necessary for the repair of the apparatus of the Department and the shoeing of the horses, etc.

I further recommend the renovation of the old City and County Hospital Building, on the corner of Francisco and Stockton streets, in order that it may be utilized for the purpose for which it was set aside. The present crowded condition of the Corporation Yard makes it necessary that a suitable building should be provided for the purpose of storing the extra apparatus of the Department.

I renew my former recommendations of the necessity of increasing the number of hydrants throughout the city and increasing the size of the water mains in the various portions of the city supplied by the small water mains laid many years ago.

In closing this report I desire to tender my thanks to the Honorable Board of Fire Commissioners for the active interest you have manifested in all matters pertaining to the success of the Department, and I desire also to thank the officers and members of the force for the alacrity manifested on all occasions in complying with my orders.

I also desire to express my thanks to His Honor Mayor Sanderson and the Honorable Board of Supervisors for the interest they have manifested in all business pertaining to the Department.

To the Chief of Police and members of his force, to Fire Marshal Charles Towe, to Captain White and Lieutenant O'Kell of the Fire Patrol, and to Superintendent Thomas, Fire Alarm Telegraph, I am under many obligations for the manner in which they have assisted the Department in the discharge of their duties on all occasions.

Respectfully submitted,

DAVID SCANNELL,

Chief of Fire Department.

STATEMENT OF THE KIND OF APPARATUS, CLASS, NUMBER OF MEN AND
HORSES, DUTY PERFORMED BY EACH COMPANY, FOR THE
YEAR ENDING JUNE 30, 1891.

COMPANY AND APPARATUS.	Class.....	No. of Men....	No. of Horses..	Still Alarms....	No. Bell Alarms Answered.....	Time work'd.	
						Hours	Minutes.
Engine Co. No. 1, Amoskeag, double.....	2	12	3	.....	417	84	.....
Engine Co. No. 2, Amoskeag, double.....	2	12	3	8	422	86	....
Engine Co. No. 3, Amoskeag, single.....	3	12	3	6	420	40	30
Engine Co. No. 4, La France, double.....	2	12	3	9	420	139	.....
Engine Co. No. 5, Amoskeag, single.....	2	12	3	15	420	91	30
Engine Co. No. 6, Amoskeag, double.....	2	12	3	7	427	79	30
Engine Co. No. 7, Amoskeag, double.....	2	12	3	5	420	73	15
Engine Co. No. 8, La France, single.....	3	12	3	11	420	52	30
Engine Co. No. 9, Amoskeag, double.....	2	12	3	12	420	105	.....
Engine Co. No. 10, La France, single.....	2	12	3	10	420	137	.....
Engine Co. No. 11, Amoskeag, single.....	2	12	3	4	17	99	30
Engine Co. No. 12, Clapp and Jones, double.....	2	12	3	5	419	72	.....
Engine Co. No. 13, La France, single.....	4	12	3	2	420	58	30
Engine Co. No. 14, Amoskeag, double.....	2	12	4	6	418	66	20
Engine Co. No. 15, Amoskeag, single.....	3	12	4	8	420	46	30
Engine Co. No. 16, Amoskeag, single.....	2	12	4	3	15	34	.....
Engine Co. No. 17, Amoskeag, double.....	2	12	4	12	418	109	20
Hose Company No. 1, Cart.....	1	9	1	7	419	56	20
Hose Company No. 2, Carriage.....	.....	9	2	3	420	74	....
Hose Company No. 3, Carriage.....	.....	9	2	6	419	91	5
Hose Company No. 4, Cart.....	.....	9	1	3	418	32	35
Hose Company No. 5, Cart.....	.....	9	1	9	408	98	5
Hose Company No. 8, Carriage.....	.....	9	2	6	420	16	20
Hose Company No. 9, Fire Boat.....	.....	9	.....	3	412	31	40
Truck Company No. 1, Hayes Truck.....	1	15	2	10	420	153	50
Truck Company No. 2, Hayes Truck.....	1	15	2	8	420	108	.....
Truck Company No. 3, Hayes Truck.....	2	15	2	9	408	188	45
Truck Company No. 4, Hayes Truck.....	3	15	2	8	420	69	30
Truck Company No. 5, Hayes Truck.....	2	15	2	3	420	70	15
Chemical Engine Company No. 1, Champion double	1	4	2	8	419	58	35

DEATHS, RESIGNATIONS, DISMISSALS, ETC.

COMPANIES.	Deaths.....	Resignations....	Dismissals.....	Appointments...	Transfers.....	Promotions.....
Engine Company No. 1.....					4	
Engine Company No. 2.....	1			1	3	
Engine Company No. 3.....	1		1	2	2	
Engine Company No. 4.....		5		5	5	
Engine Company No. 5.....	1			1	3	
Engine Company No. 6.....		2		2		
Engine Company No. 7.....					1	
Engine Company No. 8.....		1		1	1	
Engine Company No. 9.....		3		3	2	1
Engine Company No. 10.....		1		1		1
Engine Company No. 11.....						
Engine Company No. 12.....		1		1	2	
Engine Company No. 13.....						
Engine Company No. 14.....		1		1	4	2
Engine Company No. 15.....			1	1	7	2
Engine Company No. 16.....						
Engine Company No. 17.....		1	3	4	1	3
Hose Company No. 1.....					1	
Hose Company No. 2.....					3	2
Hose Company No. 3.....						
Hose Company No. 4.....		1		1		
Hose Company No. 5.....		1		1	1	
Hose Company No. 8.....						
Hose Company No. 9.....		1		1		
Truck No. 1.....		2	1	3	5	
Hook and Ladder Company No. 2...	1			1	2	
Hook and Ladder Company No. 3...						
Hook and Ladder Company No. 4...		1		1	3	2
Hook and Ladder Company No. 5...					1	
Chemical Engine No. 1.....		1	1	2		

LOCATION OF STEAM FIRE ENGINES, HOSE COMPANIES AND TRUCK COMPANIES

-
- Steamer No. 1—Pacific street, between Montgomery and Sansome.
- Steamer No. 2—North side of Bush street, between Kearny and Dupont.
- Steamer No. 3—South side of California street, between Leavenworth and Hyde.
- Steamer No. 4—West side of Second street, between Natoma and Howard.
- Steamer No. 5—West side of Stockton street, between Pacific and Broadway.
- Steamer No. 6—East side of Sixth street, south of Folsom.
- Steamer No. 7—Sixteenth street, above Valencia.
- Steamer No. 8—North side of Pacific avenue, between Polk street and Van Ness avenue.
- Steamer No. 9—West side of Main street, near Folsom.
- Steamer No. 10—Bryant street, between Third and Fourth.
- Steamer No. 11—Fourteenth avenue, near Railroad avenue, South San Francisco.
- Steamer No. 12—Drumm street, southwest corner Commercial.
- Steamer No. 13—Valencia street, between Twenty-fifth and Twenty-sixth.
- Steamer No. 14—McAllister street, between Webster and Buchanan.
- Steamer No. 15—California street, between Laguna and Buchanan.
- Steamer No. 16—Tennessee street, between Sierra and Napa.
- Steamer No. 17—Mint avenue, between Mission and Market streets.
- Hose Company No. 1—North side of Jackson street, between Front and Davis.
- Hose Company No. 2—Post street, near Fillmore.
- Hose Company No. 3—Folsom street, between Twenty-first and Twenty-second.
- Hose Company No. 4—East side of Stockton street, north of Greenwich.
- Hose Company No. 5—South side of Market street, between Tenth and Eleventh.
- Hose Company No. 8—South side of Filbert street, between Webster and Fillmore.
- Hose Company No. 9 (Fireboat)—Market Street Wharf.
- Truck No. 1—North side of O'Farrell street, west of Dupont.
- Truck No. 2—South side of Broadway street, between Dupont and Stockton.
- Truck No. 3—South side Market street, between Tenth and Eleventh.
- Truck No. 4—North side of Pacific street, between Jones and Leavenworth.
- Truck No. 5—Post street, near Fillmore.
- Corporation Yard—No. 50 Sacramento street, between East and Drumm.
- Corporation Yard Storehouse—Waller street.
- Chemical Engine No. 1—Southwest corner Mission and New Montgomery.

OFFICERS, MEMBERS AND EMPLOYEES

OF THE

SAN FRANCISCO FIRE DEPARTMENT.

DAVID SCANNELL.....	CHIEF ENGINEER
Headquarters—Old City Hall.	
D. S. SULLIVAN.....	ASSISTANT CHIEF ENGINEER
Headquarters—Old City Hall.	
GEORGE W. KENNARD.....	SECOND ASSISTANT CHIEF ENGINEER
Headquarters—Truck Company No. 3.	

ASSISTANT ENGINEERS.

P. H. SHAUGHNESSY.....	District No. 1
Headquarters—Engine House No. 1.	
JOHN WILLS.....	District No. 2
Headquarters—Engine House No. 2.	
GEORGE WALSH.....	District No. 3
Headquarters—Engine House No. 6.	
EDWARD F. MCKITTRICK.....	District No. 4
Headquarters—Hose House No. 3.	
JOHN MCCARTHY.....	District No. 5
Headquarters—Engine House No. 3.	
MICHAEL J. DOLAN.....	District No. 6
Headquarters—Truck House No. 5.	

CORPORATION YARD EMPLOYEES.

Samuel Rainey.....	Superintendent of Engines.
John W. Reilley.....	Assistant Superintendent of Engines.
Henry H. Gorter.....	Sub-Engineer and Machinist.
John Steltz.....	Clerk of Corporation Yard.
Peter Burns.....	Veterinary Surgeon.
William Hayers.....	Carpenter.
George Silvey.....	Hydrantman.
J. J. Kelly.....	Hydrantman.
Charles A. Lyons.....	Drayman.
Joe Burnett.....	Assistant Drayman.
Howard Holmes.....	Watchman.
Timothy Shea.....	Hostler.

ENGINE COMPANY No. 1.

Location—419 Pacific street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
G. Gallagher.....	Engineer.....	92	Engineer.
B. Whitehead.....	Painter.....	93	Stoker.
John Hayden.....	Teamster.....	94	Driver.
MEMBERS AT CALL.			
James Conniff.....	Caulker.....	91	Foreman.
P. Stevens.....	Clerk.....	95	Assistant Foreman.
Chas. Hodges.....	Boatman.....	96	Hoseman.
Jno. Reilly.....	Boatman.....	97	"
T. Tierney.....	Stevedore.....	98	"
John Gately.....	Boatman.....	99	"
H. Cooper.....	Bricklayer.....	100	"
P. Leary.....	Shoemaker.....	101	"
L. Messner.....	Baker.....	102	"

ENGINE COMPANY No. 2.

Location—Bush street, between Kearny and Dupont.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
G. S. Bromley.....	Engineer.....	104	Engineer.
A. Florance.....	Clerk.....	106	Stoker.
D. Farren.....	Teamster.....	105	Driver.
MEMBERS AT CALL.			
John Fay.....	Wire-worker.....	103	Foreman.
S. G. Drummond.....	Teamster.....	107	Assistant Foreman.
J. J. Nagle.....	Teamster.....	108	Hoseman.
Geo. Cashel.....	Salesman.....	113	"
S. Fay.....	Whipmaker.....	109	"
J. F. Desmond.....	Painter.....	114	"
N. Matherson.....	Matrassmaker.....	111	"
W. H. Adams.....	Painter.....	112	"
P. Brady.....	Printer.....	110	"

ENGINE COMPANY No. 3

Location—California street, between Leavenworth and Hyde.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
James C. Fraser.....	Engineer.....	116	Engineer.
Jno. D. Harriss.....	Teamster.....	117	Driver.
Thomas Norton.....	Teamster.....	118	Stoker.
MEMBERS AT CALL.			
Lorenzo A. Henry.....	Printer.....	115	Foreman.
James P. Britt	Cooper.....	119	Assistant Foreman.
Otto Meyers	Boxmaker.....	120	Hoseman.
Charles Claveau.. ..	Painter.....	121	"
Thomas J. Shields... ..	Lather.....	122	"
Thomas Wagner.....	Gardener.....	123	"
Jno. W. Perry.....	Teamster.....	124	"
Jno. A. Barry.....	Tentmaker... ..	125	"
Stephen S. Balk.....	Plumber.....	126	"

ENGINE COMPANY No. 4.

Location—Second street, near Howard.

NAMES.	OCCUPATION.	NO. BADGE.	RANK
L. P. Curry.....	Machinist.....	128	Engineer.
Charles Bell.....	Butcher.....	130	Stoker.
Howard Holmes.....	Teamster.....	129	Driver.
MEMBERS AT CALL.			
H. D. Rice.....	Moulder.....	127	Foreman
Thos. McIlwain.....	Machinist.....	133	Assistant Foreman
Dennis Quinlan.....	Blacksmith.....	131	Hoseman.
Thomas Hardy.....	Moulder.....	132	"
Benj. Johnson.....	Painter.....	134	"
Roland Sweet.....	Teamster.....	135	"
Frank Crockett.....	Machinist.....	136	"
George Knowles.....	Plumber.....	137	"
James Carrigan.....	Clerk.....	138	"

CHIEF ENGINEER'S REPORT.

ENGINE COMPANY No. 5.

Location—Stockton street, between Broadway and Pacific.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
H. J. Colvin.....	Engineer.....	140	Engineer.
Geo. Dougherty.....	Teamster.....	142	Stoker.
J. H. Stroud.....	Harness-maker.....	141	Driver.
MEMBERS AT CALL.			
J. J. Mahoney.....	Lamplighter.....	139	Foreman.
V. Demartini.....	Saloonkeeper.....	150	Assistant Foreman.
H. J. Robinet.....	Lamplighter.....	143	Hoseman.
J. F. Derham.....	Barkeeper.....	144	"
Thos. Garrett.....	Teamster.....	145	"
Chas. Dawson.....	Carpenter.....	146	"
Samuel Hertz.....	Plumber.....	147	"
Felix Desmond.....	Painter.....	148	"
George Bunner.....	Clerk.....	149	"

ENGINE COMPANY No. 6.

Location—Sixth street, near Folsom.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
James Mason.....	Engineer.....	152	Engineer.
Wm. Burns.....	Teamster.....	154	Stoker.
Mike Gray.....	Teamster.....	153	Driver.
MEMBERS AT CALL.			
William Kilday.....	Painter.....	151	Foreman.
James Buckley.....	Carpenter.....	162	Assistant Foreman.
Alex Greggains.....	Milkman.....	156	Hoseman.
Jno. O'Neil.....	Carpenter.....	161	"
Joseph Killcline.....	Longshoreman.....	159	"
Robert Mallburg.....	Carpenter.....	158	"
Thos. Kennedy.....	Porter.....	160	"
Jas. Lucy.....	Plumber.....	155	"
Pat Heniker.....	Laborer.....	157	"

ENGINE COMPANY No. 7.

Location—Sixteenth street, west of Valencia.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
P. H. Fleming.....	Engineer.....	164	Engineer.
John Cook.....	Machinist.....	166	Stoker.
B. B. Lawrence	Teamster.....	165	Driver.
MEMBERS AT CALL.			
John O'Neil.....	Lamplighter ..	163	Foreman.
Eugene O'Connor.....	Shoemaker	167	Assistant Foreman.
Edward O'Neil.....	Machinist.....	168	Hoseman.
Thos. Barry.....	Shoemaker.....	169	"
John R. Thompson.....	Machinist.....	170	"
John Schath	Shoemaker.....	171	"
James J. Murray.....	Clerk.	172	"
Samuel E. Kennard.....	Engineer	173	"
Jos. Shields.....	Lamplighter.....	174	"

ENGINE COMPANY No. 8.

Location—Pacific street, near Polk.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
Thomas J. Coogan.....	Engineer.....	176	Engineer.
Jos. H. Blakely.....	Telegraph operator.....	178	Stoker.
John Dougherty.....	Teamster.....	177	Driver.
MEMBERS AT CALL.			
James Grady.....	Clerk.....	175	Foreman.
Stephen Russell.....	Blacksmith	184	Assistant Foreman.
Owen E. Hefferman.....	Collector.....	180	Hoseman.
Thomas Canty.....	Lamplighter.....	179	"
Jas. Crowley.....	Painter.....	182	"
John M. Kiernan	Painter.....	183	"
Henry S. Fisher.....	Collector.....	185	"
Daniel J. Coughlan.....	Tinsmith.....	186	"
Arnold Fuller.....	Teamster	181	"

CHIEF ENGINEER'S REPORT.

ENGINE COMPANY No. 9.

Location—Main street, near Folsom.

NAMES.	OCCUPATION	NO. BADGE.	RANK.
Thomas Ryan.....	Machinist.....	188	Engineer.
Wm. H. Davis.....	Fireman.....	190	Stoker.
Wm. H. Thiessen.....	Teamster.....	189	Driver.
MEMBERS AT CALL.			
Jas. W. Buchanan.....	Lather.....	187	Foreman.
Frank Johnson.....	Lamplighter.....	193	Assistant Foreman.
John P. Reimers.....	Lamplighter.....	194	Hoseman.
Henry Ryder.....	Lamplighter.....	195	"
John J. O'Brien.....	Barkeeper.....	197	"
Wm. H. Cronen.....	Barkeeper.....	196	"
Charles Tracey.....	Boiler-maker.....	198	"
Daniel McKenzie.....	Teamster.....	191	"
Edward J. Magner.....	Teamster.....	192	"

ENGINE COMPANY No. 10.

Location—Bryant street, near Third.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
John Murphy.....	Engineer.....	200	Engineer
Geo. Clancey.....	Teamster.....	202	Stoker.
Thomas Evans.....	Teamster.....	201	Driver.
MEMBERS AT CALL.			
James D. Lennon.....	Boxmaker.....	199	Foreman.
Geo. Bridgewood.....	Machinist.....	203	Assistant Foreman.
Jas. McCauly.....	Plasterer.....	204	Hoseman
Alfred Davis.....	Carpenter.....	205	"
Wm. Tracy.....	Plumber.....	206	"
Thomas Canavan.....	Blacksmith.....	207	"
Jos. Brandon.....	Bricklayer.....	208	"
John Hartford.....	Engineer.....	209	"
Frederick Fitzler.....	Baker.....	210	"

ENGINE COMPANY No. 11.

Location—Fifteenth avenue, South San Francisco.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
John Jackson.....	Engineer.....	213	Engineer.
Christopher Windrow.....	Butcher.....	214	Driver.
Eugene Crummev.....	Butcher.....	212	Stoker.
MEMBERS AT CALL.			
John Moholy.....	Horseshoer.....	211	Foreman.
John Ford.....	Butcher.....	215	Assistant Foreman.
Charles Smith.....	Butcher.....	216	Hoseman.
Edward Sweeney.....	Butcher.....	217	"
Joseph Hoare.....	Pyrotechnics.....	218	"
Edward O'Sullivan.....	Bricklayer.....	219	"
Philip Moholy.....	Horse-breaker.....	220	"
Daniel Williamson.....	Plumber.....	221	"
Daniel Harrington.....	Butcher.....	222	"

ENGINE COMPANY No. 12.

Location—Southwest corner Drumm and Commercial streets.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
L. Kiehl.....	Engineer.....	224	Engineer.
G. Bailey.....	Teamster.....	226	Driver.
T. Halinan.....	Teamster.....	225	Stoker.
MEMBERS AT CALL.			
I. Gurmendez.....	Harness maker.....	223	Foreman.
T. Regan.....	Clerk.....	229	Assistant Foreman.
J. McCluskey.....	Teamster.....	234	Hoseman.
N. Barbeta.....	Clerk.....	232	"
A. Isaacs.....	Plumber.....	233	"
J. O'Connor.....	Lamplighter.....	230	"
W. Stobing.....	Teamster.....	228	"
E. Gouvi.....	Cigarmaker.....	231	"
C. Smith.....	Hotel-keeper.....	227	"

CHIEF ENGINEER'S REPORT.

ENGINE COMPANY No. 13.

Location—Valencia street, between Twenty-fourth and Twenty-fifth.

NAMES.	OCCUPATION.	NO. BADGE.	RANK
Lawrence Dunn.....	Machinist	236	Engineer
John E. Chapman	Carpenter.....	238	Stoker.
Cornelius Connell.....	Teamster.....	237	Driver.
MEMBERS AT CALL			
John Windrow.....	Butcher	235	Foreman.
Michael Dunne.....	Shoemaker.....	239	Assistant Foreman..
Thos. Gallagher.....	Teamster.....	242	Hoseman.
Jas. Bain.....	Ironworker	243	"
Richard Windrow.....	Butcher	240	"
Wm. St. Amant.	Solicitor.....	246	"
James Walsh	Salesman	245	"
James Ward.....	Butcher.....	241	"
Jos. E. Winter	Gasfitter.....	244	"

ENGINE COMPANY No. 14.

Location—1017 McAllister street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK
Louis Barricks.....	Engineer.....	248	Engineer.
David Ellison.....	Teamster.....	250	Stoker.
John Brophy.....	Teamster.....	249	Driver.
MEMBERS AT CALL			
Wm. Kelly.....	Plumber.....	247	Foreman.
John McDonald.....	Teamster	251	Assistant Foreman.
Thos. Minton.....	Shoemaker... ..	256	Hoseman.
Hugh Powers.....	Butcher.....	258	"
Edward White	Clerk.....	253	"
Leo Castillo.....	Clerk.....	257	"
M. Fitzhenry.	Teamster.....	255	"
Robert Harris.....	Teamster.....	252	"
Wm. Kenealy.....	Blacksmith.....	254	"

ENGINE COMPANY No. 15.

Location—California street, between Laguna and Buchanan.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
Wm. E. Douglas.....	Machinist.....	260	Engineer.
M. J. O'Connell.....	Machinist.....	262	Stoker.
Chas. Kennealy.....	Teamster.....	261	Driver.
MEMBERS AT CALL.			
Patrick Barry.....	Boilermaker.....	259	Foreman.
Thomas R. Walsh.....	Lamplighter.....	263	Assistant Foreman.
Michael Dougherty.....	Gas and Steam-fitter.....	264	Hoseman.
Ellis M. Moss.....	Clerk.....	266	"
Timothy O'Brien.....	Blacksmith.....	267	"
Edward J. Moran.....	Painter.....	265	"
M. E. Wormuth.....	Horseshoer.....	268	"
James Layden.....	Harnessmaker.....	269	"
Thos. Meagher.....	Stevedore.....	270	"

ENGINE COMPANY No. 16.

Location—Tennessee street, between Sierra and Napa.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
Thomas Murphy.....	Engineer.....	272	Engineer.
John Farrell.....	Fireman.....	274	Stoker.
J. T. Crummey.....	Butcher.....	275	Driver.
MEMBERS AT CALL.			
Patrick McCormick.....	Grocer.....	271	Foreman.
Zac. Prentiss.....	Saloon-keeper.....	278	Assistant Foreman.
Terrence Gaffney.....	Ironworker.....	276	Hoseman.
Chas. H. Lovett.....	Blacksmith.....	277	"
D. Toomey.....	Glassblower.....	279	"
J. Twomey.....	Grocer.....	280	"
J. C. Welch.....	Ironworker.....	281	"
M. Brown.....	Fireman.....	282	"
John Dingnan.....	Teamster.....	273	"

ENGINE COMPANY No. 17.

Location—Mint avenue, between Market and Mission streets.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
William Cunningham.....	Engineer.....	284	Engineer.
James McQueeney.....	Engineer.....	286	Stoker.
James Reilley	Teamster	285	Driver.
MEMBERS AT CALL.			
John Doherty.....	Telegraph operator.....	283	Foreman.
James Maguire	Wireworker.....	287	Assistant Foreman.
Wm. O'Farrell.....	Butcher.....	288	Hoseman.
John Sullivan.....	Trunkmaker.....	289	"
George Mathison.....	Grocer.....	290	"
Hector Brodie.....	Tinsmith.....	291	"
John Foster.....	Teamster	292	"
James Franks.....	Painter.....	293	"
Thomas Moran.....	Boilermaker.....	294	"

HOSE COMPANY No. 1.

Location—Jackson street, between Front and Davis.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
John Lavaroni.....	Marble-cutter.....	332	Driver.
John Magee.....	Machinist.....	333	Steward.
MEMBERS AT CALL.			
Syl. Sullivan.....	Sign-hanger.....	331	Foreman.
John Cronley.....	Lamplighter.....	334	Assistant Foreman
Mike O'Brien.....	Ironmolder	336	Hoseman.
James Sullivan.....	Horseshoer.....	335	"
Jacob M. Graber	Butcher.....	337	"
George Burr.....	Lamplighter.....	338	"
John Donahue.....	Shoemaker.....	339	"

HOSE COMPANY No. 2.

Location—No. 1815 Post street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK
F. Frayne.....	Teamster.....	341	Driver.
J. W. Tully.....	Clerk.....	342	Steward.
MEMBERS AT CALL.			
C. Shine.....	Lamplighter.....	340	Foreman.
J. Clements.....	Printer.....	343	Assistant Foreman.
Wm. Hayes.....	Barkeeper.....	344	Hoseman.
James Welch.....	Shoemaker.....	345	"
Louis Conart.....	Teamster.....	346	"
Matt. Canavan.....	Painter.....	347	"
Thos. Goodman.....	Lamplighter.....	348	"

HOSE COMPANY No. 3.

Location—Folsom street, between Twenty-first and Twenty-second.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
Malachi Norton.....	Teamster.....	350	Driver.
R. E. Conners.....	Moulder.....	351	Steward.
MEMBERS AT CALL.			
I. V. Denniston.....	Silver plater.....	349	Foreman
James Radford.....	Printer.....	352	Assistant Foreman.
Robert T. Browne.....	Whitener.....	353	Hoseman
James T. Kerrigan.....	Shoemaker.....	354	"
John Pendergast.....	Moulder.....	355	"
Maurice Barrett.....	Teamster.....	356	"
William J. Kelley.....	Tanner.....	357	"

CHIEF ENGINEER'S REPORT.

HOSE COMPANY No. 4.

Location—1804 Stockton street.

NAMES.	OCCUPATION	NO. BADGE.	RANK.
John Riley.....	Teamster.....	359	Driver.
Michael Ryan.....	Watchman.....	360	Steward.
MEMBERS AT CALL.			
James Derham.....	Porter.....	358	Foreman
W. Derham.....	Salesman.....	363	Assistant Foreman
D. A. Finn.....	Printer.....	362	Hoseman.
Fred. Jackson.....	Upholsterer.....	364	"
J. W. Brady.....	Metal worker.....	365	"
Michael Powers.....	Porter.....	366	"
E. J. Colvin.....	Machinist.....	361	"

HOSE COMPANY No. 5.

Location—No. 1425 Market street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
H. McCue.....	Teamster.....	368	Driver.
Wm Geddes.....	Engineer.....	369	Steward.
MEMBERS AT CALL.			
J. Riley.....	Porter.....	367	Foreman.
J. Cronin.....	Sodamaker.....	370	Assistant Foreman
J. Zammitt.....	Shoemaker.....	375	Hoseman.
J. Sawyer.....	Carpenter.....	374	"
William Mulcahy.....	Steamfitter.....	372	"
D. Eagan.....	Plumber.....	371	"
J. Matheson.....	Lamplighter.....	373	"

HOSE COMPANY No. 8.

Location—Filbert street, between Webster and Fillmore.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
John Allen.....	Teamster.....	377	Driver.
James Tyrrell.....	Clerk.....	378	Steward.
MEMBERS AT CALL.			
Henry Schmidt.....	Teamster.....	376	Foreman.
Patrick Canty.....	Lamplighter.....	381	Assistant Foreman.
John Devlin.....	Car washer.....	382	Hoseman.
W. J. Larkey.....	Clerk.....	383	"
M. J. Dougherty.....	Teamster.....	380	"
F. Koopmann.....	Teamster.....	384	"
James Smith.....	Butcher.....	379	"

HOSE COMPANY No. 9—FIRE BOAT.

Location—Northeast corner East and Mission streets.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
Samuel Gardner.....	Shipwright.....	386	Driver.
Thomas Connor.....	Fireman.....	387	Steward.
MEMBERS AT CALL.			
Thomas Coleman.....	Porter.....	385	Foreman.
James Matthews.....	Shoemaker.....	388	Assistant Foreman.
Martin Barrett.....	Tin worker.....	389	Hoseman.
John Crosby.....	Stevedore.....	390	"
George R. Lawson.....	Sailmaker.....	391	"
Julius B. Cane.....	Hack-driver.....	392	"
Joseph Rice.....	Caulker.....	393	"

TRUCK COMPANY No. 1.

Location—No. 22 O'Farrell street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
J. Burns.....	Teamster.....	2	Driver.
J. J. Conlon.....	Printer.....	3	Tillerman.
MEMBERS AT CALL.			
R. Otto.....	Machinist.....	1	Foreman.
L. Fenstermacher.....	Porter.....	4	Assistant Foreman.
H. Quinn.....	Boxmaker.....	5	Truckman.
J. Mitchell.....	Tin packer.....	6	"
J. Finnigan.....	Hotel solicitor.....	7	"
H. Coleman.....	Painter.....	8	"
M. Byron.....	Expressman.....	9	"
T. McTiernan.....	Blacksmith.....	10	"
M. Mead.....	Blacksmith.....	11	"
J. Logan.....	Harnessmaker.....	12	"
H. Levy.....	Shoemaker.....	13	"
P. Thelan.....	Lamplighter.....	14	"
W. Collins.....	Roofer.....	15	"

TRUCK COMPANY No. 2.

Location—No. 627 Broadway street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK
J. J. Shaughnessy.....	Teamster	17	Driver.
James Walsh.....	Teamster	18	Tillerman
MEMBERS AT CALL.			
P. H. Fleming.....	Porter.....	16	Foreman.
S. McGrath	Gasfitter.....	26	Assistant Foreman
P. McAndrews.....	Teamster	22	Truckman.
J. Gimmel.....	Teamster	20	"
I. Rosenheim.....	Painter.....	30	"
James Cumisky.....	Mariner.....	29	"
James H. Hunter.....	Porter.....	21	"
James Adams.....	Laborer.....	19	"
Chas. Dormer.....	Laborer.....	24	"
William Ward.....	Collar maker.....	28	"
John Riley	Boatman	27	"
William Finnigan.....	Carpenter.....	25	"
Peter Wralty.....	Cooper.....	23	"

TRUCK COMPANY No. 3.

Location—No. 1425 Market street.

NAMES.	OCCUPATION.	NO BADGE.	RANK.
D. Kerrigan.....	Teamster.....	32	Driver.
E. Fleming.....	Teamster.....	33	Tillerman.
MEMBERS AT CALL.			
W. Waters.....	Painter.....	31	Foreman.
E. H. Kennedy.....	Lamplighter.....	34	Assistant Foreman.
S. Appel.....	Auctioneer.....	35	Truckman.
William Carew.....	Painter.....	36	"
J. Daily.....	Gasfitter.....	37	"
R. Schultz.....	Lamplighter.....	38	"
J. McNally.....	Clerk.....	39	"
J. Hart.....	Peddler.....	40	"
C. Nagle.....	Poultryman.....	41	"
W. Hall.....	Shoemaker.....	42	"
F. Carew.....	Painter.....	43	"
J. Peralta.....	Upholsterer.....	44	"
G. Carew.....	Porter.....	45	"

TRUCK COMPANY No. 4.

Location—Pacific street, between Jones and Leavenworth.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
D. J. Shea.....	Teamster	47	Driver.
E. F. Jones.....	Tinsmith.....	48	Tillerman.
MEMBERS AT CALL.			
J. W. Kentzel.....	Gasfitter.....	46	Foreman.
John Feeney.....	Gasfitter.....	49	Assistant Foreman.
F. B. Kentzel.....	Carpenter.....	50	Truckman.
J. J. Kelly.....	Gasfitter.....	51	"
T. F. Higgins.....	Grainer.....	52	"
John Slavin	Porter.....	53	"
C. H. Mathews.....	Boxmaker.....	54	"
C. Badaracco.....	Plumber.	55	"
Charles Winters	Clerk.....	56	"
J. J. Connoughtou	Printer.....	57	"
H. O'Neil.....	Shoemaker.....	58	"
Joseph Fox.....	Coppersmith	59	"
C. J. Duggan.....	Coal dealer.....	60	"

CHIEF ENGINEER'S REPORT.

TRUCK COMPANY No. 5.

Location—No. 1815 Post street.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
H. McMahon.....	Teamster.....	62	Driver.
William F. Otto.....	Painter.....	63	Tillerman.
MEMBERS AT CALL.			
F. Becker.....	Clerk.....	61	Foreman.
II. Tucker.....	Gasfitter.....	64	Assistant Foreman.
D. Harris.....	Moulder.....	65	Truckman
F. Carney.....	Machinist.....	66	"
J. Gallagher.....	Shoefitter.....	67	"
J. Walsh.....	Gasfitter.....	68	"
J. J. Murphy.....	Clerk.....	69	"
Wm. Byrne.....	Plumber.....	70	"
Wm. Hunt.....	Printer.....	71	"
R. Jones.....	Butcher.....	72	"
Wm. Barry.....	Millhand.....	73	"
J. J. Welsh.....	Painter.....	74	"
Wm. Henderson.....	Stonecutter.....	75	"

CHEMICAL ENGINE COMPANY No. 1.

Location—New Montgomery street, between Minna and Mission.

NAMES.	OCCUPATION.	NO. BADGE.	RANK.
Thomas Fernandez.....	Fireman.....	449	Foreman & Engin'r
Richard Allen.....	Teamster.....	450	Driver.....
James McCaffrey.....	Fireman.....	451	Stoker.....
James Graham.....	Fireman.....	452	Steward.....

LOSSES AND INSURANCE PAID FOR THE FISCAL YEAR ENDING
JUNE 30, 1891.

MONTHS.	LOSSES.	INSURANCE.	PAID.
1890.			
July... ..	\$74,287 92	\$492,686 42	\$62,609 92
August.....	45,445 41	174,300 00	35,517 30
September.....	30,885 07	229,375 00	24,530 22
October.....	86,965 26	302,599 66	62,298 71
November.....	383,559 94	702,186 67	255,386 84
December.....	129,254 30	251,925 00	89,902 80
1891.			
January.....	32,105 42	178,470 00	26,220 42
February.....	29,691 10	1,223,987 50	28,058 60
March.....	32,312 95	235,800 00	24,606 95
April.....	46,796 81	551,300 00	42,420 99
May.....	15,408 32	296,010 00	12,803 82
June.....	73,036 85	166,720 00	62,041 50
Total	\$979,749 35	\$4,805,360 25	\$726,397 57

APPENDIX TO REPORT

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
July 1...	8.41 A. M...	21	722 Washington.....	Dwelling.....	4 story brick....
July 1...	6.52 P. M...	52	548 Mission.....	Candy factory.....	1 story frame&bk
July 3...	12 40 A. M...	95	1228 Market	Dressmaking.....	2 story brick....
July 3...	12.40 A. M...	95	1228 Market.....	Dressmaking.....	2 story brick....
July 3...	6.09 P. M...	142	21st and Guerrero...	Burning grass.....	.....
July 3...	6.55 P. M...	67	34 Hawthorne.....	Dwelling.....	.....
July 4...	2.22 P. M...	123	1202 Union.....	Dwelling.....	1 story frame....
July 4...	3.56 P. M...	25	Clay and Dupont....	.....	.....
July 4 ..	4.40 P. M...	45	.....	Burning grass.....	.....
July 4...	8.32 P. M...	8	Rear of 627 Green...	Dwelling.....	3 story frame....
July 4...	8.32 P. M...	8	Rear of 627 Green...	Dwelling	3 story frame....
July 4...	9 02 P. M...	139	.....	.....	.....
July 4...	9.20 P. M...	75	25 Seventh.....	Paint shop.....	2 story frame....
July 4...	9.34 P. M...	68	Brannan bet.4th & 5th	Church.....	1 story frame....
July 4...	10.55 P. M...	176	1425 Post.....	Dwelling.....	2 story frame....
July 4...	11.17 P. M...	93	132 Turk.....	Dwelling.	2 story frame....
July 4...	11.53 P. M...	25	615½ Dupont.....	Store house.....	2 story brick....
July 4...	11.53 P. M...	25	615½ Dupont.....	Store house.....	2 story brick....
July 5...	12.30 A. M...	213	1709 Sutter	Dwelling.	2 story frame....
July 5...	1.26 A. M...	164	1642 Polk.....	Dwelling.	3 story frame....
July 5...	2.51 A. M...	158	70 Shipley.....	Dwelling.	2 story frame....
July 5...	3.23 A. M...	52	526 Mission.....	Blacksmith shop.....	1 story brick....
July 5...	3.23 A. M...	52	526 Mission.....	Hay barn.....	1 story brick....
July 5...	3.23 A. M...	52	520 Mission.....	Lodging house.....	3 story frame....
July 5...	3.23 A. M...	52	530 Mission.....	.....	2 story frame....
July 5...	3.23 A. M...	52	45-47 Ecker.....	.....	2 story frame....
July 5...	3.23 A. M...	52	518 Mission.....	.....	3 story frame....

OF CHIEF ENGINEER.

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE	PAID.
Children with matches.....	D. Williams.....	\$141 00	\$41 00	\$7,000 00
Unknown	S. Friedlander & Co.....	524 50	2,500 00	524 50
Unknown.....	Miss M. Downey.....	1,028 50	30,000 00	1,028 50
Unknown.....	Mrs. J. M. Dixon.....	341 50	600 00	341 50
Fire works.....				
Burning Chimney.....				
Fire works.....	Thos. White.....	5 00	1,000 00	
Burning Chimney.....				
Fire works.....				
Fire works.....	C. Bing.....	175 00	2,100 00	175 00
Fire works	John Bletz.....	15 00	500 00	15 00
Burning brush				
Fire works.....	J. A. Galwin.....	23 50	500 00	23 50
Fire works.....		5 00		
Fire works	Max Brooks.....	50 00	8,250 00	50 00
Fire works.....	E. R. Brady.....	15 00	200 00	15 00
Incendiary	Quong Wah Lee.....	425 00	3,000 00	375 00
Incendiary.....	Quong On Wah.....	25 00	6,300 00	25 00
Fire works	Mrs. H. Wagner.....	160 00	1,666 ² / ₃	160 00
Fire works.....	Dr. T. Wigman.....	85 00	12,500 00	85 00
Fire works.....	Mrs. Conway.....	400 00	1,500 00	300 00
Unknown.....	L. Geitner.....	750 00		
Unknown.....	C. Knickerbocker.....	2,500 00	1,900 00	1,900 00
Unknown.....	C. Calson.....	1,166 00	2,200 00	1,166 00
Unknown.....	Allyne & White.....	60 00	1,000 00	60 00
Unknown.....	E. W. McLaughlin.....	130 00	400 00	130 00
Unknown.....	Estate of McDonough....	100 00	1,000 00	100 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
July 5...	7.34 A. M...	154	967 Harrison.....	Unoccupied.....	2 story frame....
July 5...	11.15 A. M...	21	719-721 Montgomery..	Clothing store.....	3 story brick.....
July 6...	10.50 P. M...	61	Third and Everett....	Grocery and saloon.....	1 story frame....
July 6...	10.50 P. M...	61	132 to 136 Third.....	Shoe store.....	1 story frame....
July 6...	10.50 P. M...	61	132 to 136 Third.....	Restaurant.....	1 story frame
July 6...	10.50 P. M...	61	132 to 136 Third.....	Hat store.....	1 story frame
July 6...	11.17 P. M...	153	19 Heron.....	Dwelling.....	2 story frame
July 6...	11.17 P. M...	153	19 Heron.....	Dwelling.....	2 story frame
July 6...	11.36 P. M...	367	Corbett Road & Hattie	Grocery and Dwelling....	2 story frame
July 6...	11.36 P. M...	367	Next on Hattie (east).	Dwelling.....	1 story frame
July 6...	11 36 P. M...	367	Next on Corbett Road	Dwelling.....	1 story frame ..
July 6...	11.36 P. M...	367	Next on Corbett Road	Dwelling.....	1 story frame
July 7...	3.01 P. M...	9	Union Place.....	Lodging house.....	3 story frame
July 9...	8.10 P. M...	24	916 Washington.....	Chinese school.....	3 story frame
July 12.	9.28 A. M...	102	Bay bet Powell-Mason	Wire works.....	1 story frame
July 13.	3.30 P. M...	19	Rear of 211-213 Clay..	Smoke house.....	1 story brick
July 13.	7.14 P. M...	47	867-869 Market.....	Restaurant.....	4 story frame
July 14.	4.10 P. M...	81	111 Van Ness avenue.	Carpenter shop.....	2 story frame
July 15.	5.29 P. M...	382	234 Hermann.....	Dwelling.....	2 story frame
July 16.	5.05 P. M...	157	Rear of 218 Fourth...	Unoccupied	1 story frame
July 17.	2.45 A. M...	37	215-219 Bush.....	Stationery and b'kbinding	5 story brick
July 17.	11.55 A. M...	364	1309½ Minna.....	Dwelling.....	2 story frame
July 17.	12.27 P. M...	63	.....	.....	.....
July 19.	3.38 P. M...	233	237 Twenty-eighth...	Dwelling.....	1 story frame
July 19.	5.30 P. M...	142	828-830 Twentieth....	Dwelling.....	2 story frame
July 19.	5.30 P. M...	142	828-830 Twentieth....	Dwelling	2 story frame
July 19.	5.30 P. M...	142	SWcor Stevenson-20th	Grocery.....	2 story frame
July 19.	5.30 P. M...	142	SWcor Stevenson-20th	Bakery.. ..	2 story frame
July 19.	5.30 P. M...	142	1868 Stevenson.....	Dwelling.....	2 story frame
July 19.	5.30 P. M...	142	1866-1866½ Stevenson..	Dwelling.....	3 story frame
July 19.	5.30 P. M...	142	1866-1866½ Stevenson..	Dwelling.....	3 story frame

STATEMENT OF FIRES AND ALARMS.

43

FOR THE YEAR ENDING JULY 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Fire works.....	C. Westphall.....	\$200 00	\$3,000 00	\$200 00
Carelessness with cigar.....	J. O. Hanlon & Co.....	1,245 00	14,350 00	1,245 00
Incendiary.....	Henry Jost.....	483 85	1,500 00	183 85
Incendiary.....	G. Michael.....	1,971 40	1,500 00	1,771 40
Incendiary.....	John Fisher.....	647 25	1,000 00	647 25
Incendiary.....	C. Chapman.....	1,437 62	2,739 90	1,438 62
Explosion of coal oil lamp....	C. Edgerton.....	175 00	500 00	150 00
Explosion of coal oil lamp....	R. Decrew.....	50 00	.....	.....
Unknown.....	Wm. Wagner.....	4,336 00	4,000 00	3,836 00
Unknown.....	J. Henshaw.....	1,400 00	1,000 00	1,000 00
Unknown.....	J. McFall.....	1,100 00	500 00	500 00
Unknown.....	M. Lewis.....	100 00	200 00	50 00
Carelessness with matches....	A. De Martini.....	30 00	2,500 00	30 00
Spark from stove.....	Chinese Mission.....	27 40	11,500 00	27 40
Spark from smoke stack.....	California Wire Works....	5 00	.....	.....
Defective smoke house.....	Armour P. Co.....	500 00	.....	.....
Spark from furnace.....	.....	.....	.....	.....
Burning brush in rear.....	James Ross.....	150 00	.....	.....
Children with matches.....	J. B. Lamer.....	.....	.....	.....
Children with matches.....	Fred Campe.....	5 00	.....	.....
Carelessness with glue pot	H. S. Crocker & Co.....	7,029 75	234,000 00	7,029 75
Defective stove	W. Glendye	15 00	1,000 00	15 00
False alarm.....	.....	.....	.....	.....
Children with matches.....	R. A. Mathews.....	185 00	2,000 00	185 00
Carelessness with candle.....	Chas. Fink.....	3,100 00	3,000 00	2,600 00
Carelessness with candle.....	F. W. Faussett.....	1,000 00	1,100 00	1,000 00
Carelessness with candle.....	J. Tiedemann.....	2,242 50	2,750 00	2,242 50
Carelessness with candle.....	Mrs. Brady.....	50 00	.....	.....
Carelessness with candle	James Rodgers.....	2,500 00	1,000 00	1,000 00
Carelessness with candle.....	H. Rischmeller.....	1,651 10	2,100 00	1,651 10
Carelessness with candle.....	W. Cashman.....	500 00	.....	.....

STATEMENT OF DETAILS OF FIRES AND ALARMS.

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
July 19..	5.30 P. M...	142	1866-1866½ Stevenson..	Dwelling.....	3 story frame
July 19..	5.30 P. M...	142	1864 Stevenson.....	Dwelling.....	2 story frame
July 19..	5.30 P. M...	142	1863 Stevenson.....	Dwelling.....	2 story frame
July 20..	2.43 A. M...	25	NE Dupont-Jackson.	Dwelling.....	4 story brick.....
July 20..	2.43 A. M...	25	NE Dupont-Jackson.	Dwelling.....	4 story brick.....
July 20..	6.23 P. M...	71	1314 Mission.....	Dwelling.....	.....
July 21..	2.04 P. M...	186	608 to 614 Brannan...	Malt house.....	3 story brick.....
July 21..	4.57 P. M...	43	1-23 Stockton.....	Lodging house.....	3 story frame
July 22..	8.14 A. M...	312	SW Laguna & Pacific	Dwelling.....	3 story frame
July 25..	11.37 A. M...	368	Dolores & Fourteenth	Mattress Factory.....	2 story frame
July 25..	9.33 P. M...	51	.....	.....	.....
July 26..	11.18 A. M...	281	San Bruno Road....	Packing house.....	2 story frame
July 26..	11.13 P. M...	368	.....	.....	.....
July 27..	2.47 A. M...	67	.....	.....	.....
July 27..	6.59 A. M...	24	920 Clay.....	Dwelling.....	1 story frame
July 27..	6.59 A. M...	24	920 Clay.....	Dwelling.....	1 story frame
July 27..	8.31 P. M...	12	430 Pine.....	Fancy goods	2 story brick.....
July 27..	8.38 P. M...	73	Rear of 14½ Rausch..	Dwelling.....	2 story frame
July 28..	10.30 P. M...	261	Rear of 10 Stevenson	Wood and ivory works...	4 story brick.....
July 29..	12.16 A. M...	12	614-616 California, rear	Unoccupied.....	1 story frame
July 29..	12.46 A. M...	84	Rear of 1725 Market..	Unoccupied.....	1 story frame
July 29..	1.15 A. M...	237	Rear of 919 Dolores :	Milk stable.....	2 story frame
July 29..	1.15 A. M...	237	919 Dolores.....	Lodging rooms.....	3 story frame
July 29..	1.15 A. M...	237	919 Dolores.....	Dwelling.....	2 story frame
July 29..	1.15 A. M...	237	921 Dolores.....	Dwelling.....	2 story frame
July 29..	1.15 A. M...	237	114 Fair Oaks, rear..	Stable.....	1 story frame
July 29..	1.15 A. M...	237	114 Fair Oaks.....	Dwelling.....	2 story frame
July 29..	1.15 A. M...	237	116 Fair Oaks, rear...	Stable.....	1 story frame
July 29..	1.15 A. M...	237	116 Fair Oaks.....	Fencing.....	1 story frame
July 29..	1.15 A. M...	237	116 Fair Oaks.....	Dwelling.....	2 story frame
July 29..	1.15 A. M...	237	118 Fair Oaks, rear..	Stable	1 story frame

STATEMENT OF FIRES AND ALARMS.

45

FOR THE YEAR ENDING JULY 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Carelessness with candle	Mrs. C. Tighe.....	\$ 50 00	.....	.....
Carelessness with candle.....	G. Perini.....	40 00	\$1,500 00	\$40 00
Carelessness with candle.....	D. Finnigan	10 00	2,500 00	10 00
Explosion coal oil lamp.	Qunak Mui.....	325 00	400 00	275 00
Explosion coal oil lamp.....	Sit Hirn.....	58 00	1,000 00	58 00
Burning chimney.....	.....	.....	.....	.....
Spark from smoke stack.....	H. Zweg.....	725 00	15,540 00	725 00
Defective chimney	Dr. Schlesenger.....	190 00	6,000 00	140 00
Carelessness plumber's stove..	D. F. Walker.....	550 00	34,500 00	550 00
Spark from picker.....	C. Rickoff	4,831 00	3,550 00	3,380 00
False alarm.....	.....	.....	.....	.....
Boiling over of kettle of fat...	Mark Strouse.....	19,307 00	21,375 00	19,307 00
False alarm.....	.....	.....	.....	.....
False alarm.....	.....	.....	.....	.....
Explosion coal oil lamp.....	Conn Hing.....	325 00	600 00	325 00
Explosion coal oil lamp.....	Ah Tie.....	200 00	.....	.....
Unknown.....	M. E. Spiegel.....	140 00	7,000 00	99 00
Explosion coal oil lamp	A. Peters.....	6 50	540 00	6 50
Spark from smoke stack.....	Hass & Bader.....	.....	.....	.....
Unknown.....	S. Heydenfeldt.....	100 00	100 00	100 00
Tramps.....	.....	5 00	.....	.....
Upsetting of coal oil lantern..	Benedict Bros.....	1,923 45	1,925 00	1,623 45
Upsetting of coal oil lantern..	Benedict Bros.....	500 00	100 00	100 00
Upsetting of coal oil lantern..	J. Lennon.....	228 00	2,000 00	178 00
Upsetting of coal oil lantern..	J. D. Farnum.....	25 75	1,000 00	25 95
Upsetting of coal oil lantern..	E. Webber.....	100 00	300 00	100 00
Upsetting of coal oil lantern..	E. Webber.....	50 00	2,500 00	50 00
Upsetting of coal oil lantern..	John Koch.....	258 00	400 00	258 00
Upsetting of coal oil lantern..	John Koch.....	37 00	100 00	37 00
Upsetting of coal oil lantern..	John Koch.....	5 00	2,100 00	5 00
Upsetting of coal oil lantern..	F W. Ker n.....	35 00	300 00	35 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
July 29..	1.15 A. M...	237	120 Fair Oaks, rear...	Stable	1 story frame
July 29..	1.15 A. M...	237	911 Dolores.....	Dwelling.....	2 story frame
July 30..	6.23 P. M...	25	632-634 Jackson.....	Chinese Club.....	2 story brick.....
July 30..	6.23 P. M...	25	632-634 Jackson.....	Chinese store.....	2 story brick.....
July 30..	6.23 P. M...	25	632-634 Jackson	Pawn shop.....	2 story brick.....
July 30..	6.23 P. M...	25	624-636 Jackson	Pawn shop.....	2 story brick.....
July 30..	6.23 P. M...	25	634-636 Jackson	Store.....	2 story brick.....
July 30..	6.23 P. M...	25	634-636 Jackson	Dwelling.....	2 story brick.....
July 30..	6.23 P. M...	25	634-636 Jackson	Wood work.....	2 story brick.....
July 31..	5.38 P. M...	76	1237 Market, rear....	Hay in boxes.....	.....
Aug. 1..	12.40 A. M...	281	NW cor N & 5th ave..	Butchering.....	1 story frame
Aug. 1..	12.40 A. M...	281	NW cor N & 5th ave..	Butchering.....	1 story frame
Aug. 4..	1.12 A. M...	148	16th and Harrison...	2 car-loads of hay.....	.....
Aug. 6..	3.25 P. M...	16	825 Broadway, rear...	Dwelling.....	2 story frame
Aug. 6..	3.25 P. M...	16	825 Broadway, rear...	Dwelling.....	2 story frame
Aug. 8..	4.17 A. M...	78	NW cor 11th-Howard	Lodging-house.....	3 story frame....
Aug. 8..	4.17 A. M...	78	NW cor 11th-Howard	Dwelling.....	3 story frame....
Aug. 8..	4.17 A. M...	78	NW cor 11th-Howard	Dwelling.....	3 story frame....
Aug. 8..	4.17 A. M...	78	NW cor 11th-Howard	Dwelling.....	3 story frame....
Aug. 8..	4.17 A. M...	78	NW cor 11th-Howard	Dwelling.....	3 story frame....
Aug. 8..	4.17 A. M...	78	NW cor 11th-Howard	Grocery store.....	3 story frame....
Aug. 8..	4.17 A. M...	78	144 Eleventh.....	Dwelling.....	3 story frame....
Aug. 8..	4.17 A. M...	78	144 Eleventh.....	Dwelling.....	3 story frame....
Aug. 8..	9.40 P. M...	237	928 Dolores.....	Dwelling.....	2 story frame....
Aug. 8..	10.07 P. M...	286	24th-Potrero avenue..	.....	.....
Aug. 9..	4.21 A. M...	57	15 DeBoom.....	Dwelling.....	3 story frame....
Aug. 9..	4.25 A. M...	61	36 Hubbard.....	Stable.....	story brick.
Aug. 9..	4.25 A. M...	61	147 Tehama	Dwelling.....	1 story frame....
Aug. 9..	4.25 A. M...	61	149 Tehama.....	Dwelling....	1 story frame....
Aug. 10.	3.45 A. M...	31	418-422 Commercial..	Book bindery.....	3 story brick.
Aug. 10.	3.45 A. M...	31	418-422 Commercial..	Leather shoe findings....	3 story brick.....

STATEMENT OF FIRES AND ALARMS.

47

FOR THE YEAR ENDING JULY 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Upsetting of coal oil lantern..	E. M. Howe.....		\$2,000 00	
Upsetting of coal oil lantern..	F. R. McLeod.....	\$75 00	2,000 00	\$75 00
Unknown.....	Club rooms.	1,672 35	1,000 00	872 35
Unknown	Wing Lung & Co.....	50 00	3,900 00	50 00
Unknown	Him Hai.....	325 00	1,000 00	325 00
Unknown.....	Tong Yuen.....	700 00	2,000 00	200 00
Unknown.....	Hop Sing Tong.....	175 00	700 00	175 00
Unknown.....	King Fook	15 00	500 00	15 00
Unknown.....	Chow Kee.....	160 00	500 00	160 00
Carelessness with cigarette...				
Pipe smoking.....	L. N. Wood & Co.....	2,930 00	1,000 00	930 00
Pipe smoking.....	W. B. Brown & Co.....	3,188 00	3,000 00	3,000 00
Tramps smoking.....	Chas. Healey.....	221 61		
Incendiary.....	A. Kellmer.....	325 00	800 00	25 00
Incendiary	A. J. Goodrum.	200 00	600 00	
Carelessness with matches...	Mrs. Dondlah	1,749 00	3,350 00	1,749 00
Carelessness with matches....	S. Creba.....	80 00	300 00	80 00
Carelessness with matches...	S. & L. Williams	228 00	100 00	100 00
Carelessness with matches....	M. Williams.....	140 50	100 00	100 00
Carelessness with matches....	H. Buttermann.....	312 00	500 00	312 00
Carelessness with matches....	H. Buttermann.....	250 00	1,500 00	250 00
Carelessness with matches....	F. Dumoret.....	121 00	1,950 00	121 00
Carelessness with matches....	G. Connor.....	25 00		
Explosion coal oil lamp.....	John Hall.....	100 00	2,000 00	100 00
Burning brush				
Explosion coal oil lamp.....	S. Schaberg.....	100 00	4,000 00	100 00
Unknown.....	A. Fromberg.....	260 00		
Unknown.....	T. F. McElroy.....	620 00	3,000 00	620 00
Unknown.....	M. S. Leland.....	15 00	1,200 00	15 00
Spontaneous combustion.....	J. McIntyre.....	1,602 15	12,950 00	1,602
Spontaneous Combustion.....	F. Cummings.....	115 00	6,000 00	115 00

CHIEF ENGINEER'S REPORT.

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION,	HOW OCCUPIED.	STYLE.
Aug. 10.	7.50 A. M...	142	1007 Valencia	Clothing store.....	2 story frame....
Aug. 11.	8.15 P. M...	79	224 Twelfth.....	Stable.....	2 story frame....
Aug. 14.	11.46 A. M...	45	416 O'Farrell.....	Grocery and dwelling	2 story frame....
Aug. 15.	1.42 A. M...	253	2928 Octavia.....	Unoccupied.....	1 story frame ...
Aug. 15.	1.48 A. M...	253	3000 Octavia	Dwelling.....	1 story frame....
Aug. 15.	1.42 A. M...	252	SE cor G'wch-Octavia	Unfinished.....	2 story frame....
Aug. 15.	8.43 A. M...	142	NW cor 21st-Valencia	Saloon.....	3 story frame....
Aug. 16.	4.53 P. M...	362	15th and Noe....	Stable.....	2 story frame....
Aug. 16.	11.05 P. M...	48	23 Grant avenue.....	Cloak house.....	4 story brick.
Aug. 16.	11 05 A. M...	48	23 Grant avenue.....	Millinery store.....	4 story brick.
Aug. 17.	2.55 A. M...	53	640 Third.....	Iron foundry.....	1 story frame....
Aug. 17.	2.55 A. M...	53	638 Third.....	Saloon.....	3 story frame....
Aug. 17.	2.55 A. M...	53	638 Third.....	Dwelling.....	3 story frame....
Aug. 17.	4.15 A. M...	64	.....	.....	.....
Aug. 18.	8.55 P. M...	65	Sixth and Stevenson.	Dwelling.....	.....
Aug. 18.	9.57 P. M...	73	.....	.....	.....
Aug. 19.	10.32 A. M...	51	238 Fremont....	Iron Works.....	2 story frame....
Aug. 19.	11.49 P. M...	56	Rear of Bryant.....	Cooper shop.....	2 story brick.....
Aug. 20.	12 12 A. M...	56	.....	.....	.....
Aug. 20.	6.59 A. M...	18	Gold.....	Flour mill.....	4 story brick....
Aug. 20.	2.41 P. M...	21	618 Sacramento.....	Wines and brandies.....	3 story brick.....
Aug. 21.	2.09 A. M...	186	561-563 Brannan.....	Lumber yard.....	.....
Aug. 21.	8.46 A. M...	182	SW cor 6th and Berry	Saloon.....	1 story frame....
Aug. 21.	12.20 P. M...	275	1041 Army.....	Laundry.....	1 story frame....
Aug. 21.	12.20 P. M...	275	1041 Army.....	Dwelling....	1 story frame....
Aug. 21.	12.20 P. M...	275	1039 Army.....	Dwelling....	1 story frame....
Aug. 21.	12.20 P. M...	275	1043 Army.....	Dwelling....	2 story frame....
Aug. 21.	10.25 P. M...	31	520 Sacramento	Restaurant.....	3 story brick
Aug. 22.	1.36 A. M...	184	.....	.....	.....
Aug. 22.	4.28 A. M...	371	602 Sutter.....	Dwelling....	2 story frame....
Aug. 22.	4.28 A. M...	371	602 Sutter.....	Dwelling.....	2 story frame....

STATEMENT OF FIRES AND ALARMS.

49

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Carelessness with gasoline.....	J. Konigsberg	5 00		
Unknown.....	John Hogan.....	450 00	200 00	200 00
Spark from Chimney.....	W. Wilster.....	95 00	4,000 00	95 00
Unknown.....	S. M. Hansell.....	900 00	1,000 00	900 00
Unknown.....	S. M. Hansell.....	480 00	3,000 00	480 00
Unknown.....	S. M. Hansell.....	595 00	2,500 00	595 00
Carelessness with paint.....	Ahrens & Heins.....	25 00	500 00	25 00
Burning brush.....	J. T. Bass.....	25 00		
Unknown.....	Berlin C. Co.....	2,725 00	14,000 00	2,725 00
Unknown.....	M. A. Daly.....	75 00	1,000 00	75 00
Spark from wooden mould....	C. Toboy.....	137 00	3,150 00	137 00
Spark from wooden mould....	M. Donovan.....	565 00	1,000 00	465 00
Spark from wooden mould....	J. Qunley.....			
False alarm.....				
Burning chimney.....				
False alarm.....				
Old rags on roof.....				
Spark from furnace.....	Lachman & Jacobi.....	50 00		
Given for above fire.....				
Friction of machinery.....	H. Conbrouth.....	50 00		
Carelessness with candle.....	Garnier & Lancil & Co....			
Pipe smoking.....	Hurlburt Bros.....	50 00		
Defective chimney.....	P. Slater.....	200 00	1,500 00	200 00
Defective furnace.....	F. Koch.....	2,650 00	1,800 00	1,800 00
Defective furnace.....	F. Koch.....	800 00		
Defective furnace.....	W. McCullig.....	2,300 00	1,200 00	1,200 00
Defective furnace.....	A. Holtz.....	700 00	800 00	200 00
Unknown.....	Powitza & Co.....	800 00	1,000 00	750 00
False alarm.....				
Unknown.....	F. W. Louge.....	45 00	2,500 00	45 00
Unknown.....	Rose Fehn		500 00	

STATEMENT OF DETAILS FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Aug. 25.	4.23 A. M...	159	36 to 40 Mary.....	Unoccupied.....	2 story frame....
Aug. 25.	4.23 A. M...	159	34 Mary.....	Dwelling....	2 story frame....
Aug. 25.	4.23 A. M...	159	34 Mary.....	Dwelling....	2 story frame....
Aug. 25.	4.23 A. M...	159	22 Mary.....	Dwelling....	2 story frame....
Aug. 25.	4.23 A. M...	159	22 Mary.....	Dwelling	2 story frame....
Aug. 25.	4.23 A. M...	159	431 Natoma.....	Dwelling....	2 story frame....
Aug. 25.	4.23 A. M...	159	431 Natoma.....	Dwelling....	2 story frame....
Aug. 25.	4.23 A. M...	159	928-930 Howard.....	Mattress factory.....	3 story frame....
Aug. 25.	4.40 A. M...	154	536 Sixth.....	Saloon.....	2 story frame....
Aug. 25.	4.40 A. M...	154	536 Sixth.....	Dwelling	2 story frame....
Aug. 26.	11.46 P. M...	159	38 Russ.....	Dwelling....	2 story frame....
Aug. 27.	1.39 P. M...	154	19 Oak Grove avenue	Dwelling....	2 story frame....
Aug. 27.	1.39 P. M...	154	21 Oak Grove avenue	Dwelling	2 story frame....
Aug. 27.	1.39 P. M...	154	23 Oak Grove avenue	Dwelling....	2 story frame....
Aug. 27.	1.39 P. M...	154	25 Oak Grove avenue	Dwelling	2 story frame....
Aug. 27.	1.39 P. M...	154	17½ Oak Grove avenue	Dwelling	2 story frame....
Aug. 27.	3.55 P. M...	139	Hyde and Sutter.....	.....	.....
Aug. 29.	9.36 A. M...	69	120 Silver.....	Dwelling	2 story frame....
Aug. 31.	2.43 A. M...	25	731-735 Jackson.	Cigars and tobacco	2 story brick....
Aug. 31.	3.30 A. M...	371	NW cor Post-Mason	Bakery.....	2 story frame....
Aug. 31.	3.30 A. M...	371	NW cor Post-Mason	Grocery.....	2 story frame....
Aug. 31.	3.30 A. M...	371	NW cor Post-Mason	Lodging-house.....	2 story frame....
Aug. 31.	3.30 A. M...	371	506 Post.....	Dwelling....	2 story frame....
Aug. 31.	3.30 A. M...	371	508-510 Post.....	Dwelling	2 story frame....
Aug. 31.	3.30 A. M...	371	503-505 Mason.....	Dwelling....	2 story frame....
Aug. 31.	3.30 A. M...	371	503-505 Mason.....	Dwelling	2 story frame....
Aug. 31.	3.30 A. M...	371	503-505 Mason.....	Dwelling	2 story frame....
Aug. 21.	3.30 A. M...	371	507 Mason.....	Dwelling.....	2 story frame....
Aug. 31.	4.22 P. M...	68	49 to 63 Bluxome....	Wool scouring.....	2 story brick....
Sept. 4..	12.47 P. M...	15	3-5 Clay.....	Junk store.....	2 story frame....
Sept. 4..	9.26 P. M...	96	409 Taylor.....	Stable	1 story frame....

STATEMENT OF FIRES AND ALARMS.

51

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID
Unknown.....	J Harkins.....	\$2,000 00	\$350 00	.....
Unknown.....	W. J. Lynch.....	1,350 00	2,000 00	\$1,150 00
Unknown.....	Mrs. L. McKeil.....	100 00	500 00	100 00
Unknown.....	James Hardro.....	350 00	3,000 00	300 00
Unknown.....	C. H. Boon.....	100 00	.....	.....
Unknown.....	M. Goldin.....	440 00	4,750 00	440 00
Unknown.....	A. Morse.....	61 00	1,100 00	61 00
Unknown.....	C. Haymond.....	12 00	10,000 00	12 00
Unknown.....	John Morgan.....	587 50	1,500 00	587 50
Unknown.....	Wm. Morgan.....	45 50	300 00	45 50
Upsetting of coal-oil lamp....	O. Metzler.....	360 00	4,200 00	360 00
Stove-pipe hole in chimney....	Chas. Muehe.....	3,720 10	9,600 00	3,720 10
Stove-pipe hole in chimney....	J. O'Connell.....	647 50	1,000 00	647 50
Stove-pipe hole in chimney....	A. J. Baker.....	610 25	1,000 00	610 25
Stove-pipe hole in chimney....	Ed. James.....	50 00	.....	.....
Stove-pipe hole in chimney....	J. Bernard.....	100 00	8,000 00	100 00
Burning chimney.....	.....	.....	.....	.....
Explosion coal-oil stove.....	George Dougherty.....	275 00	2,000 00	250 00
Incendiary.....	Jam Kee.....	475 00	6,700 00	475 00
Defective chimney.....	Hauser & Langdorfer....	2,981 40	5,700 00	2,981 40
Defective chimney.....	Chas. Meier.....	325 00	2,500 00	325 00
Defective chimney.....	Mrs. E. Covell.....	900 00	1,600 00	900 00
Defective chimney.....	H. M. Koch.....	300 00	600 00	300 00
Defective chimney.....	J. H. Stoddard.....	45 00	850 00	45 00
Defective chimney.....	Mrs. Kate Morrison.....	2,500 00	3,000 00	2,000 00
Defective chimney.....	Chas. Meier.....	245 00	1,600 00	245 00
Defective chimney.....	J. F. McCarthy.....	131 50	2,000 00	131 50
Defective chimney.....	W. T. Porter.....	144 40	3,000 00	144 40
Spark from smoke-stack.....	F. P. McLennon.....	275 00	4,500 00	275 00
Spark from chimney.....	.....	.....	.....	.....
Defective gas meter.....	R. D. Legget.....	725 00	10,000 00	725 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Sept. 5..	3.10 A. M..	5	1000 Battery.....	Saloon.....	1 story frame....
Sept. 5	3.10 A. M..	5	1000 Battery.....	Storage.....	1 story frame....
Sept. 5..	4.38 A. M..	146	Rear of 224-226 14th..	Cooper shop.....	1 story frame....
Sept. 8..	10.55 P. M..	19	309-311 Davis.....	Cold Storage Co.....	1 story brick.....
Sept. 8..	10.55 P. M..	19	309-311 Davis.....	Cold Storage Co.....	1 story brick.....
Sept. 8..	10.55 P. M..	19	309-311 Davis.....	Cold Storage Co.....	1 story brick.. ..
Sept. 8..	10.55 P. M..	19	309-311 Davis.....	Cold Storage Co.....	to y brick.....
Sept. 8..	10.55 P. M..	19	309-311 Davis.....	Cold Storage Co.....	1 story brick.....
Sept. 8..	10.55 P. M..	19	309-311 Davis	Cold Storage Co.....	1 story brick.....
Sept. 9..	12.08 P. M..	122	829 Valencia.	Plumbing and dwelling..	1 story frame....
Sept. 9..	4.25 P. M..	183	1509 Market.....	Lodging-house.....	2 story brick....
Sept. 11.	1.23 P. M..	326	2607 Post.....	Dwelling.....	2 story frame....
Sept. 12.	1.34 A. M..	17	824 Kearny.....	Hotel.....	3 story brick....
Sept. 12.	1.34 A. M..	17	820 Kearny	Hardware.....	3 story brick....
Sept. 13.	1.55 P. M..	58	415 First.....	Dwelling.....	3 story frame....
Sept. 13.	3.54 P. M..	265	119 Beale.....	Machine shop....	1 story frame....
Sept. 18.	6.47 P. M..	283	1014 Army.....	Sidewalk....	.....
Sept. 20.	10.05 P. M..	38	Stevenson and Second	Lodging-house.....	2 story frame....
Sept. 20.	10.05 P. M..	38	Stevenson and Second	Bakery.....	2 story frame....
Sept. 22.	10.55 P. M..	95	McAllister and Mark't	Tailoring and repairing ..	1 story brick....
Sept. 22.	10.55 P. M..	95	McAllister aud Mark't	Restaurant	1 story brick....
Sept. 22.	10.55 P. M..	95	McAllister and Mark't	Saloon.....	1 story brick....
Sept. 22.	10.55 P. M..	95	McAllister and Mark't	Barber shop.....	1 story brick....
Sept. 22.	10.55 P. M..	95	McAllister and Mark't	Tailor shop.....	1 story brick....
Sept. 22.	10.55 P. M..	95	McAllister and Mark't	Saloon.....	1 story brick....
Sept. 24.	8.47 A. M..	231	Shotwell and 24th....	.....	.....
Sept. 25.	1.33 A. M..	97	NW Polk & McAllist'r	Saloon and grocery store.	2 story frame....
Sept. 25.	1.33 A. M..	97	NW Polk & McAllist'r	Fruit store.....	2 story frame....
Sept. 25.	8.40 A. M..	17	NE c. Jackson & Mont	Chinese wash-house	1 story frame....
Sept. 25.	12.01 P. M..	8	Powell and Union ..	Dwelling.....	2 story frame....
Sept. 25.	1.37 P. M..	265	114-116 Mission	Machine shop....	2 story frame....

FOR THE MONTH ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Unknown.....	C. H. Heitman	\$2,900 00	\$1,200 00	\$1,200 00
Unknown.....	Sennett & Miller	30 00	2,000 00	30 00
Defective chimney.....	D. Warner	10 00	.....	.....
Carelessness with matches....	P. C. S. Co.....	8,721 50	25,000 00	8,721 50
Carelessness with matches....	Levin Bro.....	125 00	2,300 00	125 00
Carelessness with matches....	C. E. Whiting & Co	36 47	22,875 00	36 47
Carelessness with matches....	De Bernardi & Westphal.	610 25	4,850 00	610 25
Carelessness with matches....	Wetzel & Baker.....	640 75	4,500 00	640 75
Carelessness with matches....	J. P. Thomas.....	1,092 00	4,500 00	1,092 00
Carelessness with matches....	C. G. Smith.....	5 00	.....	.....
Carelessness with cigarette....	Chas. Pratt.....	35 00	12,500 00	10 00
Spark from chimney.....	Mrs. Casebolt.....	100 00	2,000 00	100 00
Unknown.....	King, Ward & Co.....	3,000 00	40,000 00	2,000 00
Unknown.....	Browning & Breman.....	60 00	1,000 00	60 00
Painter's alcohol lamp.....	R. S. Floyd.....	1,745 60	39,500 00	1,745 60
Spark from smoke stack.....	W. H. Birch & Co	5 00	.....	.....
Carelessness with cigarette....	.....	.....	.....	.....
Rats and matches.....	Mrs. J. Gogin.....	130 00	1,250 00	30 00
Rats and matches.....	Wm. Davis.....	20 00	1,250 00	20 00
Carelessness, sad iron heater..	J. Rubinstein.....	1,315 00	200 00	200 00
Carelessness sad-iron heater...	Lund & Peterson	800 00	.....	.....
Carelessness sad-iron heater..	J. J. Kelly.....	50 00	2,000 00	50 00
Carelessness sad iron heater..	H. Schonmert.....	375 00	450 00	375 00
Carelessness sad-iron heater...	J. Hefferman	2,434 81	2,000 00	2,000 00
Carelessness sad-iron heater...	A. Landsbery.....	120 00	1,000 00	120 00
Browning tar kettle .....	.....	.....	.....	.....
Supposed incendiary.....	F. Von Bournman.....	700 00	1,850 00	700 00
Supposed incendiary.....	C. Faigle.....	100 00	.....	.....
Careless use of gasoline stove	Wing Wah.....	150 00	.....	.....
Burning chimney.....	.....	.....	.....	.....
Spark from smoke stack.....	Western Mnf'g Co.....	10 00	.....	.....

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	LT.
Sept. 27.	6.45 P. M...	35	Pine and Montgome'y	.....	.....
Sept. 27.	1.40 A. M ..	85	NW c. Laguna & Birch	Stable.....	2 story frame....
Sept. 27.	4.30 A. M...	35	Pine & Montgomery	.....	.....
Sept. 27.	9.46 P. M...	65	116 Sixth.....	Dry goods.....	2 story frame....
Sept. 27.	9.46 P. M...	65	NW c. Minna & Sixth	Grocery.....	2 story frame....
Sept. 27.	9.46 P. M...	65	NW c. Minna & Sixth	Dwelling.....	2 story frame....
Oct. 2..	2.38 P. M...	35	Pine and Montgome'y	.....	.....
Oct. 3..	4.05 P. M...	91	11½ Dale Place.....	Dwelling.....	2 story frame....
Oct. 4..	11.55 A. M...	216	2423 California.....	Dwelling....	2 story frame....
Oct. 4..	8.08 P. M...	236	115 Twenty-sixth.....	Dwelling.....	3 story frame....
Oct. 5..	9.08 A. M...	76	Polk, bt. Hayes & Grove	Pavilion.....	Frame.....
Oct. 7..	3.55 P. M...	35	Pine and Montgome'y	.....	.....
Oct. 8..	1.14 P. M...	96	205 Taylor.....	Dwelling.....	2 story frame....
Oct. 10..	1.30 A. M...	187	Ninth and Bryant...	.....	.....
Oct. 10..	9.51 P. M...	265	119 Beale.....	Machine shop.....	2 story frame....
Oct. 10..	9.51 P. M...	265	Rear 119 Beale.....	Machine shop	2 story frame....
Oct. 10..	9.51 P. M...	265	121 Beale.....	Wagon works	1 story frame....
Oct. 12..	7.48 P. M...	72	1626 Mission.....	Sale stable.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1616 Mission.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1624 Mission.....	Blacksmith.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1624 Mission.....	Paint shop.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1624 Mission.....	Carriages.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1628 Mission.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1628 Mission.....	Horseshoeing.....	2 story frame....
Oct. 12..	7.48 P. M...	72	Rear 1628 Mission....	Stable.....	1 story frame....
Oct. 12..	7.48 P. M...	72	1630 Mission.....	Chinese wash-house	1 story frame....
Oct. 12..	7.48 P. M...	72	1622 Mission.....	Shoemaker.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1622 Mission.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 A. M...	72	1622 Mission.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1620 Mission	Stable.....	2 story frame....
Oct. 12..	7.48 P. M...	72	1613-1615 Mission	Hay and feed.....	2 story frame....

FOR THE MONTH ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
False alarm.....	.....	.....	.....	.....
Tramps smoking.....	S. Och.....	15 00	2,500 00	15 00
False alarm.....	.....	.....	.....	.....
Defective gas stove.....	F. Spring.....	2,367 00	3,000 00	1,567 00
Defective gas stove.....	P. J. Tomalty.....	40 30	1,000 00	40 30
Defective gas stove.....	Mrs. N. Schwartz.....	40 00	400 00	40 00
False alarm.....	.....	.....	.....	.....
Incendiary.....	T. Russell.....	468 05	1,600 00	168 05
Explosion gasoline stove.....	J. Hulme.....	60 00	2,250 00	50 00
Explosion coal oil lamp.....	Geo. Deitsch.....	5 00	.....	.....
Steam pipe.....	.....	.....	.....	.....
False alarm.....	.....	.....	.....	.....
Old rubbish on roof.....	W. E. Dean.....	1,056 00	9,200 00	1,056 00
Boiling over asphaltum kettle.....	.....	.....	.....	.....
Defective forge.....	W. Birch & Co.....	2,132 75	4,870 00	2,132 75
Defective forge.....	W. Birch & Co.....	340 00	630 00	340 00
Defective forge.....	John Farren.....	325 00	4,500 00	325 00
Carelessness with matches....	J. E. Record.....	738 00	1,000 00	620 00
Carelessness with matches....	Mrs. Morrissey.....	100 00	.....	.....
Carelessness with matches....	J. Rentschler.....	3,727 00	1,950 00	100 00
Carelessness with matches....	E. Fisher.....	744 45	1,000 00	500 00
Carelessness with matches....	.....	3,500 00	.....	.....
Carelessness with matches....	John Kane.....	1,700 00	.....	.....
Carelessness with matches....	Dennis Quinn.....	150 00	.....	.....
Carelessness with matches....	John Kane.....	300 00	.....	.....
Carelessness with matches....	Chong Kee.....	40 00	450 00	40 00
Carelessness with matches....	Wm. Raisch.....	1,325 00	600 00	600 00
Carelessness with matches....	Mrs. Scranton.....	150 00	.....	.....
Carelessness with matches....	Mrs. Billings.....	200 00	.....	.....
Carelessness with matches....	J. Schuiken.....	428 00	1,000 00	428 00
Carelessness with matches....	J. Schuiken.....	.....	600 00	.....

STATEMENT OF DETAILS OF FIRES AND ALARMS.

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Oct. 12..	7.48 P. M...	72	1623 Mission.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 P. M...	72	21 West.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 P. M...	72	21 West.....	Dwelling.....	2 story frame....
Oct. 12..	7.48 P. M...		62½ West.....	Dwelling.....	2 story frame....
Oct. 13..	8.15 P. M...	236	Twenty-sixth & West..	.....	.....
Oct. 14..	8.32 A. M...	32	.....	.....	.....
Oct. 14..	5.08 P. M...	213	.....	.....	.....
Oct. 14..	10.22 P. M...	81	235 Fell.....	Grocery.....	3 story frame....
Oct. 14..	10.22 P. M...	81	235 Fell.....	Dwelling.....	3 story frame....
Oct. 14..	10.22 P. M...	81	233 Fell.....	Dwelling.....	2 story frame....
Oct. 15..	4.40 P. M...	179	O'Farrell & Franklin.	Stable	1 story frame....
Oct. 16..	4.20 P. M...	19	322-324 Front.....	Oil stove.....	2 story brick....
Oct. 17..	12.43 A. M...	325	1411 Lyon.....	Dwelling.....	1 story frame ...
Oct. 18..	3.53 P. M...	381	205 Webster	Dwelling.....	2 story frame....
Oct. 18..	4.55 P. M...	85	531-531½ Birch avenue	Dwelling.....	2 story frame....
Oct. 19..	4.23 P. M...	324	3029 Sacramento.....	Grocery and saloon.....	2 story frame....
Oct. 19..	11.45 P. M...	183	Rear of 650 Minna....	Dwelling.....	1 story frame....
Oct. 19..	11.45 P. M...	183	SW cor Julia-Mission	Stove store....	3 story frame....
Oct. 19..	11.45 P. M...	183	10 Julia.....	Dwelling.....	2 story frame....
Oct. 19..	11.45 P. M...	183	648 Minna.....	Dwelling.....	2 story frame....
Oct. 20..	6.28 A. M...	247	1634 Golden Gate ave.	Stable.....	1 story frame....
Oct. 20..	6.28 A. M...	247	1634 Golden Gate ave.	Dwelling.....	2 story frame....
Oct. 20..	6.28 A. M...	247	1634 Golden Gate ave.	Dwelling.....	2 story frame....
Oct. 21..	2.15 P. M...	56	Second and Bryant...	Wine Vault.....	.....
Oct. 21..	9.00 P. M...	185	1321 Harrison... ..	Dwelling.....	2 story frame....
Oct. 22..	1.58 A. M...	148	16th, Folsom-Harrison	Candle factory.....	3 story frame....
Oct. 22..	1.58 A. M...	148	Rear of same.....	Ware House.....	2 story frame....
Oct. 22..	1.58 A. M...	148	Rear of same.....	Soap factory.....	1 story frame....
Oct. 22..	1.58 A. M...	148	Center alley.....	Dwelling.....	1 story frame....
Oct. 22..	1.58 A. M...	148	75 Sixteenth.....	Dwelling.....	1 story frame....
Oct. 22..	1.58 A. M...	148	Sixteenth & Harrison	Matrass factory.....	3 story frame....

STATEMENT OF FIRES AND ALARMS.

57

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Carelessness with matches....	J. F. Snow.....	\$40 00	\$3,000 00	\$40 00
Carelessness with matches....	Mary Sullivan.....	1,500 00	.....	.....
Carelessness with matches....	John Towns.....	491 50	500 00	491 50
Carelessness with matches....	Mrs. F. Bateman.....	700 00	.....	.....
False alarm.....	.....	.....	.....	.....
False alarm.....	.....	.....	.....	.....
False alarm.....	.....	.....	.....	.....
Incendiary.....	Peter Kelly.....	1,064 00	2,000 00	950 00
Incendiary.....	Peter Kelly.....	100 00	300 00	100 00
Incendiary.....	Mrs. A. Kelly.....	25 00	3,000 00	25 00
Supposed tramps.....	F. Simonard.....	400 00	.....	.....
Carelessness with matches....	Wagner Bros.....	25 00	7,000 00	25 00
Wooden ash barrel.....	T. Turner.....	750 00	2,000 00	700 00
Carelessness with gas.....	.....	.....	.....	.....
Spark from chimney.....	H. W. Meyer.....	25 00	833 00	15 00
Carelessness with matches....	H. C. Meyer.....	370 00	3,000 00	370 00
Unknown.....	R. Rosenberg.....	1,574 00	400 00	40 00
Unknown.....	Otto Bartholdy.....	850 00	7,700 00	850 00
Unknown.....	Mary O'Connors.....	57 00	500 00	57 00
Unknown.....	Mary O'Connors.....	30 56	1,000 00	30 56
Carelessness with candle....	Dr. Hund.....	425 00	1,500 00	225 00
Carelessness with candle....	Dr. Hund.....	66 65	1,500 00	66 65
Carelessness with candle....	Dr. Hund.....	25 00	950 00	25 00
.....	Lachman & Jacobi.....	.....	.....	.....
Explosion coal-oil lamp.....	J. McLurney.....	10 00	.....	.....
Unknown.....	M. Morgenthau.....	32,795 99	33,950 00	32,795 99
Unknown.....	M. Morgenthau.....	14,899 10	5,500 00	5,500 00
Unknown.....	M. Morgenthau.....	4,500 00	4,500 00	4,500 00
Unknown.....	John Center.....	60 00	.....	.....
Unknown.....	John Center.....	200 00	750 00	100 00
Unknown.....	Pac. Spring Mattress Fac'y	50 00	2,166 66	50 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Oct. 22..	1.58 A. M...	148	Next south on 16th...	.....	1 story frame....
Oct. 23..	3.07 A. M...	63	133 Perry.....	Dwelling and grocery....	2 story frame....
Oct. 23..	5 10 P. M...	382	Cor Fillmore & Haight	Shed.....	1 story frame....
Oct. 23..	5.56 P. M...	7	Summit of Tel. Hill..	Pavilion	3 story frame....
Oct. 24..	1.26 P. M...	123	2309 Larkin.....	Dwelling.....	2 story frame....
Oct. 24..	1.26 P. M...	123	2309 Larkin.....	Dwelling.....	2 story frame....
Oct. 26..	3 00 P. M...	364	116½ Fourteenth.....	Dwelling	2 story frame....
Oct. 26..	3 24 P. M...	85	616 Fulton.....	Dwelling	2 story frame....
Oct. 26..	3.36 P. M...	57	523 Second, rear.....	Dwelling	2 story frame....
Oct. 28..	6.13 P. M...	284	3250½ Mission.....	Dwelling	2 story frame....
Oct. 28..	6.25 P. M...	63	Fourth and Bryant..	Furniture factory....	3 story brick....
Oct. 29..	9.30 P. M...	158	127 Shipley.....	Dwelling	2 story frame....
Oct. 30..	9.55 A. M...	183	SW cor 9th & Mission	Dwelling and barber shop	2 story frame....
Nov. 3..	2.43 A. M...	38	S W cor 2d & Market.	Office.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Paint store.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Folding beds.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Cal. Board of Trade....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Burlington House....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Saloon.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	28	S W cor 2d & Market.	Drug store.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Goods on storage.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	S W cor 2d & Market.	Window shades.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Grand Hotel.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Cases of jewelry.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Safes.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Ticket office.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Drug store.....	3 st'y br'k and fr.
Nov. 3..	3.27 P. M...	38	SE cor M'kt & N. M'g	Storage of trunks....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Barber shop.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Saloon.....	3 st'y br'k and fr.
Nov. 3..	3.27 A. M...	38	SE cor M'kt & N. M'g	Millinery goods.....	3 st'y br'k and fr.

STATEMENT OF FIRES AND ALARMS.

59

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Unknown	John O'Connor.....	\$1,150 00	\$ 600 00	\$600 00
Incendiary.....	Mrs. M. Duffy.....	497 50	2,000 00	497 50
Boys with matches.....	— Rodgers.....	110 00		
Unknown.....	Gus Sutro.....	340 00	15,000 00	110 00
Defective chimney.....	J. W. Taylor	5 00	11,750 00	340 60
Defective chimney.....	W. Landgridge.....	25 00		
Carelessness with cigarette. ..	Abe Jewett.....	35 00		
Children with matches.....	Thomas Brillant	565 00	8,650 00	565 00
Explosion coal-oil stove	Mrs. E. Sacht.....	10 00		
Explosion coal-oil stove	J. Cherognie.....	10 00	5,000 00	10 00
Defective dry-room	Sharon estate.....	1,000 00		
Carelessness with matches ...	Jule Levy.....	50 00	200 00	40 00
Rats and matches....	P. W. Ehrhart.....	170 00	7,000 00	160 00
Unknown..	Woodworth estate.....	51,000 00	26,000 00	26,000 00
Unknown.....	Hueter Bros.....	19,000 00	19,000 00	19,000 00
Unknown.....	Burr Bed Co.....	6,731 41	7,800 00	6,731 41
Unknown.....	Cal. B. of T.....	500 00		
Unknown	Mrs. E. Burling.....	18,000 00	10,000 00	10,000 00
Unknown.....	H. Tobbenboske.....	100 00		
Unknown.....	O. P. Downing.....	4,303 50	17,000 00	4,303 50
Unknown.....	J. Wjeth & Bro.....	1,750 00	8,000 00	1,750 00
Unknown..	E. H. Marwedel.....	11,000 00	5,750 00	5,750 00
Unknown	Sharon estate.....	65,000 00		
Unknown.....	Cal. Jewelry Co.....	10,000 00	3,000 00	3,000 00
Unknown	Hall Safe Co.....	2,760 00	38,000 00	2,760 00
Unknown.....	S. P. Co.....	100 00		
Unknown	W. J. Bryan	1,053 00	10,000 00	1,053 00
Unknown.....	Bassett & Stemlin	985 00	3,000 00	985 00
Unknown.....	C. Sanberheimer.....	100 00	900 00	100 00
Unknown.....	Ed. Fay.....	727 35	8,000 00	727 35
Unknown	C. H. Hirst	5,802 26	7,000 00	5,802 26

STATEMENT OF DETAILS OF FIRES AND ALARMS.

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Nov. 3..	3.27 A. M..	38	SE cor M'kt & N. M'g	Hat frame fact'y, room 10.	3 st'y br'k and fr.
Nov. 3..	3.27 A. M..	38	SE cor M'kt & N. M'g	Dwelling.....	3 st'y br'k and fr.
Nov. 3..	7.38 P. M..	27	500 Montgomery.....	Tailor shop.....	3 story brick
Nov. 4..	2.45 A. M..	61	Natoma bet 2d & 3d..	Stable.....	1 story frame....
Nov. 4..	2.45 A. M..	61	Natoma bet 2d & 3d..	Paint shop	1 story frame....
Nov. 4..	4.32 P. M..	36	217 Spear.....	Mill work.....	2 story frame....
Nov. 4..	4.32 P. M..	36	217 Spear.....	Mouldings.....	2 story frame....
Nov. 4..	9.09 P. M..	24	902 Clay.....	Dwelling.....	.....
Nov. 7..	12.06 A. M..	234	.....	.....	.....
Nov. 7..	1.45 P. M..	285	Twenty-sixth & Bryant	Stable.....	1 story frame....
Nov. 7..	7.28 P. M..	157	19 Louisa.....	Dwelling.....	2 story frame ...
Nov. 8..	3.28 P. M..	152	Brannan bet 7th & 8th	Unoccupied.....	1 and 2 story fr..
Nov. 9..	3.54 A. M..	47	Market and Powell..	Baldwin Hotel....	4 st'y br'k and fr.
Nov. 10.	5 P. M..	24	1 Hopeton Terrace...	Dwelling	2 story frame....
Nov. 10.	5.11 P. M..	71	NW cor 10th & Howard	Car house.....	3 story brick ...
Nov. 10.	5.45 P. M..	234	1029 Alabama.....	Dwelling.....	1 story frame....
Nov. 11.	12.50 A. M..	47	Powell & Market.....	Hotel.....	4 st'y br'k and fr.
Nov. 11.	1.51 A. M..	216	2138 Fillmore.....	Paper hanging.....	1 story frame....
Nov. 11.	1.51 A. M..	216	2130 Fillmore.....	Tailor shop.....	1 story frame....
Nov. 11.	1.51 A. M..	216	2136 Fillmore.....	Shoe shop.....	1 story frame....
Nov. 11.	1.51 A. M..	216	2132 Fillmore.....	Fancy goods.....	1 story frame....
Nov. 12.	1.16 P. M..	83	.....	.....	.....
Nov. 13.	5.15 P. M..	265	203-207 Mission.....	Feed mill.....	4 story frame. ..
Nov. 13.	10.38 P. M..	32	118-128 Davis.....	Boiler and machinery...	4 story brick
Nov. 13.	10.55 P. M..	32	118-128 Davis.....	Candy factory.....	4 story brick
Nov. 13.	10.55 P. M..	32	118-128 Davis.....	Cigar factory	4 story brick
Nov. 13.	10.15 P. M..	32	118-128 Davis.....	Produce store.....	4 story brick
Nov. 13.	10.55 P. M..	32	118-128 Davis.....	Produce store	4 story brick
Nov. 13.	10.55 P. M..	32	114-116 Davis.....	Produce store	1 story frame....
Nov. 13.	10.55 P. M..	32	114-116 Davis.	Saloon.....	1 story frame....
Nov. 13.	10.55 P. M..	32	NE cor Sac'to & Davis	Wholesale groceries	4 story brick

STATEMENT OF FIRES AND ALARMS.

61

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Unknown.....	J. T. Broms	\$300 00	.....	.....
Unknown....	Mrs. E. Goodwin	8,300 00	\$1,400 00	\$ 1,400 00
Unknown	J. L. Baloun.....	55 00	750 00	50 00
Unknown.....	D. Shaefer.....	500 00	.....	.....
Unknown	D. Shaefer....	50 00	.....	.....
Friction of machinery.....	C. M. Depew.....	100 00	4,270 00	100 00
Friction of machinery....	D. A. Macdonald.....	10 00	.....	.....
Burning chimney .....	.....	.....	.....	.....
False alarm.....	.....	.....	.....	.....
Children with matches.....	J. B. Carraba.....	250 00	475 00	250 00
Carelessness with matches....	B. K. Ward.....	380 00	1,725 00	380 00
Cigarette smoking.....	R. Loyd.....	1,000 00	1,600 00	1,000 00
Carelessness with matches...	E. J. Baldwin.....	150 00	.....	.....
Explosion gasoline stove.....	G. Humbert.....	68 00	2,000 00	43 00
Carelessness with matches....	Omnibus Cable Co.....	10 00	.....	.....
Children with matches.....	H. McTigne.....	195 00	500 00	145 00
Carelessness with cigarette....	E. J. Baldwin.....	.....	.....	.....
Defective stove.....	J. Rudiger....	2,465 50	3,000 00	2,237 50
Defective stove.....	R. Mes.....	100 00	.....	.....
Defective stove.....	A. Meyer....	50 00	.....	.....
Defective stove.....	Mrs. M. Grier.....	100 00	.....	.....
False alarm.....	.....	.....	.....	.....
Spark from smokestack.	G. S. Laumeister.....	60 00	5,166 67	60 00
Defective dry-room	Sol. Wangenheim....	30,500 00	38,000 00	30,500 00
Defective dry-room	Saroni & Co.....	42,982 62	43,250 00	42,982 62
Defective dry-room	Liebes Bro. & Co	73,455 60	69,000 00	69,000 00
Defective dry-room	Bernardi & Westphal....	13,030 50	7,650 00	7,650 00
Defective dry-room	H. Dutard.....	1,000 00	.....	.....
Defective dry-room	J. P. Thomas.....	4,892 00	12,500 00	4,892 00
Defective dry room	A. Josne.....	1,225 00	1,300 00	1,225 00
Defective dry-room.....	Castle Bros.....	1,095 00	23,000 00	1,095 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Nov. 14.	7.55 P. M...	182	116 Sixth.....	Dwelling....	2 story frame....
Nov. 15.	12.33 A. M...	8	830 Green.....	Dwelling	2 story frame....
Nov. 15.	1.35 A. M...	48	636 Market.....	Restaurant.....	3 story brick
Nov. 15.	6.04 P. M...	81	213 Linden avenue..	Dwelling.....	2 story frame....
Nov. 16.	12.10 P. M...	156	235 Berry.....	Hay barn.....	1 story frame....
Nov. 17.	4.26 P. M...	32	.....	.....	.....
Nov. 18.	5.39 P. M...	386	Dev'dro betPage&Oak	Unfinished.....	3 story frame....
Nov. 18..	10.43 P. M...	285	417 Twenty-sixth, rear	Chicken coop.....	1 story frame....
Nov. 19..	3.03 A. M...	19	210 Washington.....	Lodging house.....	2 story frame....
Nov. 19..	4.23 A. M...	49	3-3½ Monroe.....	Dwelling	3 story frame....
Nov. 19..	4.23 A. M...	49	3-3½ Monroe.....	Dwelling	3 story frame....
Nov. 19..	4.23 A. M...	49	3-3½ Monroe	Dwelling	3 story frame....
Nov. 19..	4.23 A. M...	49	614 Bush.....	Dwelling	3 story frame....
Nov. 19..	1.58 P. M...	61	20 Everett, rear.....	Dwelling	2 story frame....
Nov. 19..	5.50 P. M...	135	Bush and Franklin ..	.....	.....
Nov. 20..	12.10 A. M...	291	1106 Broadway	Dwelling	2 story frame....
Nov. 20..	5.26 P. M...	19	321 Davis.....	Commission house.....	.....
Nov. 20..	11.38 P. M...	236	Crescent & Hanover..	Milk ranch.....	1 story frame....
Nov. 21..	3.20 P. M...	283	Rear of 425 27th.....	Stable.....	1 story frame....
Nov. 21..	6.55 P. M...	84	Market and Dolores..	.....	.....
Nov. 24..	3.25 A. M...	19	4 Washington.....	Saloon.....	2 story frame....
Nov. 24..	7.30 A. M...	79	244 Eleventh.....	Dye works.....	2 story frame....
Nov. 25..	1.00 A. M...	62	32 Fourth.....	Lodging house.....	4 story frame....
Nov. 25..	3.35 A. M...	62	745 Mission.....	Sausage works.....	1 story frame....
Nov. 25..	3.35 A. M...	62	240 Minna.....	Dwelling	2 story frame....
Nov. 25..	3.35 A. M...	62	Rear of 242 Minna....	Dwelling	2 story frame....
Nov. 25..	3.35 A. M...	62	238 Minna.....	Dwelling	2 story frame....
Nov. 28..	1.40 A. M...	27	628 Montgomery.....	Lodging room.....	4 story brick
Nov. 28..	6.07 P. M...	281	5th and R. R. ave....	Stable.....	2 story frame....
Nov. 29..	7.53 A. M...	25	728-730 Washing't'n. r'r	Plumbers' goods.....	1 story brick
Nov. 29..	4.37 P. M...	274	1037 Twenty-fourth...	Dwelling	1 story frame....

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Drunkenness.....	M. Williamson.....	\$5 00	.....	.....
Upsetting coal-oil lamp	J. J. Rey.....	230 00	\$7,000 00	\$230 00
Rats and matches.....	J. M. Pike.....	41 50	2,500 00	41 50
Children with matches.....	John Watson.....	50 00	.....	.....
Unknown	C. S. Healy.....	270 00	5,500 00	270 00
False alarm.....	.....	.....	.....	.....
Plumber's stove.....	.....	5 00	.....	.....
Wooden ash barrel.....	J. C. Jane.....	10 00	.....	.....
Defective chimney.....	L. Johnson.....	215 00	3,500 00	215 00
Unknown	S. Aaroshon.....	150 00	2,500 00	150 00
Unknown	J. J. Gottlob.....	100 00	1,000 00	100 00
Unknown	F. Grabau.....	125 00	1,500 00	125 00
Unknown	Jacob Rich.....	65 00	4,000 00	65 00
Spark from chimney.....	Mrs. Holladay.....	5 00	.....	.....
Burning brush.....	.....	.....	.....	.....
Unknown	L. Pistoleso.....	575 00	2,200 00	575 00
Fumigating.....	.....	.....	.....	.....
Smoking.....	J. Coster.....	2,200 00	.....	.....
Children with matches.....	George Liebold.....	400 00	.....	.....
Bonfire.....	.....	.....	.....	.....
Carelessness with pipe.....	C. Johnson.....	241 00	4,750 00	241 00
Carelessness with benzine	C. A. Henson.....	244 50	2,850 00	244 50
Electric light wires.....	.....	.....	.....	.....
Spontaneous combustion	L. C. Combes.....	145 00	1,300 00	145 00
Spontaneous combustion	Con. Shea.....	380 00	2,500 00	380 00
Spontaneous combustion	W. A. Brown.....	75 00	.....	.....
Spontaneous combustion	R. T. Allen.....	25 00	500 00	25 00
Carelessness with candle.....	Dude Hawkins.....	180 00	35,000 00	130 00
Pipe smoking.....	Eugene Avey.....	1,944 70	13,000 00	1,944 70
Unknown	W. D. Hobro.....	581 50	3,200 00	581 50
Carelessness with candle.....	X. Schatele.....	20 00	750 00	10 00

CHIEF ENGINEER'S REPORT.

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Nov. 30..	8.05 A. M...	91	404 Turk.....	Lodging house.....	3 story frame....
Dec. 1..	9.53 A. M...	386	404 Devisadero	Restaurant.....	1 story frame....
Dec. 1..	9.53 A. M...	386	404 Devisadero	Market.....	1 story frame....
Dec. 1..	9.53 A. M...	386	404 Devisadero	Grocery and restaurant..	1 story frame....
Dec. 1..	9.53 A. M...	386	408 Devisadero	Dwelling	2 story frame....
Dec. 1..	9.53 A. M...	386	Rear 408 Devisadero..	Dwelling	2 story frame....
Dec. 1..	8.10 P. M...	351	Rear of 911 Sansome.	Stable.....	2 story stone....
Dec. 2..	6.39 P. M...	146	Kentucky and 1st ave	.Hotel.....	2 story frame....
Dec. 2..	6 42 P. M...	281	Kentucky and 1st ave.	Hotel.....	2 story frame....
Dec. 3..	11.22 A. M...	84	1723 Market.....	Lodging house.....	3 story frame....
Dec. 3..	1.35 P. M...	46	234 Sutter.....	Drug store.....	3 story brick
Dec. 3..	3.59 P. M...	143	.....	.....	.....
Dec. 4	7.24 P. M...	146	17th and Harrison....	Clay pipe works	1 story frame....
Dec. 6..	10.55 P. M...	45	Rear of 528 O'Farrell.	Stable.....	2 story frame....
Dec. 6..	10.55 P. M...	45	Rear of 526 O'Farrell.	Dwelling.....	2 story frame....
Dec. 6..	10.55 P. M...	45	512-512½ Leavenworth	Dwelling.....	2 story frame....
Dec. 6..	10.55 P. M...	45	512-512½ Leavenworth	Dwelling.....	2 story frame....
Dec. 6..	10.55 P. M...	45	514-516 Leavenworth.	Dwelling	2 story frame....
Dec. 6..	10.55 P. M...	45	514-516 Leavenworth.	Dwelling	2 story frame....
Dec. 6..	10.55 P. M...	45	635 Geary.....	Dwelling	3 story frame ...
Dec. 8..	1.08 A. M...	95	1136 Market....	Cigar stand.....	2 story frame....
Dec. 9..	8.59 P. M...	264	.....	.....	.....
Dec. 10.	1.07 A. M...	53	King, bet 2d and 3d.	Pac. Lead and Oil Works	3 story brick
Dec. 10.	1.15 A. M...	53	King, bet 2d and 3d.	Pac. Lead and Oil Works	2 story brick
Dec. 10.	1.15 A. M...	53	Next west on King..	Store house.....	4 story brick
Dec. 10.	6.13 P. M...	72	17 Ridley....	Sculptor rooms	2 story frame....
Dec. 11.	4.00 A. M...	48	104 Kearny....	Dwelling.....	4 story brick
Dec. 12.	7.56 A. M...	78	Folsom, bet 12 and 14	Dwelling .....	.....
Dec. 13.	3.55 P. M...	73	677½ Clementina.	Dwelling	2 story frame....
Dec. 13.	5.42 P. M...	83	235 Fell.	Dwelling ..	3 story frame....
Dec. 15.	12.14 A. M...	31	409 to 415 Commercial	Shoe factory.....	3 story brick

STATEMENT OF FIRES AND ALARMS.

65

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT	LOSS.	INSURANCE.	PAID.
Spark from chimney.....	J. Van Ness.....	\$10 00	\$2,000 00	.....
Boiling over kettle of fat. ...	R. Mund	1,303 30	2,800 00	\$1,303 30
Boiling over kettle of fat.	T. Hancock.	40 50	600 00	40 50
Boiling over kettle of fat.	John Wigner.... .	50 00	.....	.....
Boiling over kettle of fat.	G. Gatto.....	190 00	1,750 00	190 00
Boiling over kettle of fat	G. Gatto.....	10 00	250 00	10 00
.....	J. McDevitt estate.....	1,100 00	150 00	150 00
Explosion of coal-oil lamp....	C. Werner.. . . .	5,250 00	1,500 00	1,250 00
Explosion of coal-oil lamp....	C. Werner.....	5,250 00	1,500 00	1,250 00
Spark from chimney.....	Mrs. K. Johnston....	170 00	6,000 00	160 00
Electric wires.....	Boericke & Runyon.....	29 50	12,500 00	29 50
False alarm .....	.....	.....	.....	.....
Unknown	Tracey Bros.....	17,260 00	6,000 00	6,000 00
Unknown	C. A. Worth.....	352 50	1,300 00	152 50
Unknown	O. E. Haquette	350 00	4,000 00	350 00
Unknown	F. Braisted.... .	245 00	1,000 00	195 00
Unknown	J. Sanderson.....	10 00	.....	.....
Unknown	William Best.....	20 00	2,500 00	20 00
Unknown	Mike Williams.....	20 00	.....	.....
Unknown	John Donley.... .	.....	.....	.....
Explosion of coal-oil lamp....	Hoffman Bros.....	150 00	1,750 00	150 00
False alarm.....	.....	.....	.....	.....
Unknown	J. G. Kettle.....	39,727 45	43,500 00	38,527 45
Unknown	J. G. Kettle.....	.....	9,900 00	.....
Unknown	J. G. Kettle.....	19,928 00	20,000 00	18,200 00
Carelessness with matches....	R. Schmid.....	195 00	400 00	185 00
Hot ashes.....	D. Speranza.....	75 00	12,500 00	5 00
Burning chimney.....	.....	.....	.....	.....
Children with matches.....	D. Murphy.....	5 00	.....	.....
Carelessness with candle.....	Peter Kelly.....	75 00	1,500 00	.....
Unknown	Quan Sing & Co.....	10,885 00	9,025 00	7,725 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Dec. 15.	12.14 A. M...	31	409 to 415 Commercial	Lodgings.....	3 story brick
Dec. 15.	12.14 A. M...	31	411½ Commercial.....	Shoe factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	411½ Commercial.....	Shoe factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	413 Commercial.....	Shoe factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	413 Commercial.....	Shoe factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	413 Commercial.....	Lodgings.....	3 story brick
Dec. 15.	12.14 A. M...	31	413 Commercial	Lodgings.....	3 story brick
Dec. 15.	12.14 A. M...	31	417 Commercial.....	Shoe factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	417 Commercial.....	Lodgings.....	3 story brick
Dec. 15.	12.14 A. M...	31	407 Commercial.....	Commission house.....	3 story brick
Dec. 15.	12.14 A. M...	31	407 Commercial.....	Cigar factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	407 Commercial.....	Cigar factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	407 Commercial.....	Shoe factory.....	3 story brick
Dec. 15.	12.14 A. M...	31	414 Sacramento.	Cigar store.....	3 story brick
Dec. 15.	12.14 A. M...	31	418 Sacramento.	Cigar store	3 story brick
Dec. 15.	1.55 A. M...	154	Santa Clara & Illinois	Saloon and dwelling....	1 story frame....
Dec. 15.	5.12 P. M...	216	2203 Steiner.....	Dwelling	2 story frame....
Dec. 15.	7.52 P. M...	142	823 Guerrero.....	Dwelling	1 story frame....
Dec. 19.	6.07 A. M...	78	202 Ninth.....	Dwelling	2 story frame....
Dec. 21.	4.40 A. M...	48	702 Mission.....	Barber shop... ..	2 story frame....
Dec. 21.	4.40 A. M...	48	702 Mission.....	Photographing rooms...	2 story frame....
Dec. 21.	4.40 A. M...	48	58 to 60 Third.....	Dry goods store.....	2 story frame....
Dec. 21.	4.40 A. M...	48	58 to 60 Third.....	Lodging house.....	2 story frame....
Dec. 21.	4.40 A. M...	48	704-708 Mission .....	.....	2 story brick
Dec. 21.	4.40 A. M...	48	NW cor 3d & Mission.	.....	2 story br ck....
Dec. 21.	10.38 P. M...	362	139 Henry.....	Dwelling	1 story frame....
Dec. 21.	10.36 P. M...	362	141 Henry.....	Dwelling	1 story frame....
Dec. 22.	9.09 P. M...	164	Rear of 1505 Larkin..	.....	1 story frame....
Dec. 23.	9.57 A. M...	263	Beale and Bryant ...	Office.....	1 story frame....
Dec. 24.	6.17 P. M...	372	NW cor Jones & Sutter	Pleasanton House.....	7 story frame....
Dec. 25.	1.25 P. M...	62	342 Minna.....	Dwelling.....	2 story frame....

STATEMENT OF FIRES AND ALARMS.

67

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Unknown	Ping Kan.....	\$500 00	\$500 00	\$500 00
Unknown	Yuen Lee & Co.....	300 00	4,000 00	300 00
Unknown	Wo Sing.....	2,650 00	2,700 00	2,650 00
Unknown	Youn Kee & Co	4,000 00	5,000 00	4,000 00
Unknown	Qung Tai Lang & Co.....	2,446 00	3,150 00	2,446 00
Unknown	Ham Gen.....	200 00	200 00	200 00
Unknown	Gen Wo Sing.....	1,590 00	1,600 00	1,600 00
Unknown	Sue Wah Kee & Wo Lee..	200 00	5,000 00	200 00
Unknown	Wing Ti Lung.....	10 00	1,000 00	10 00
Unknown	E. T. Anthony.....	293 45	4,050 00	249 45
Unknown	Pearl Co.....	50 00	4,000 00	50 00
Unknown	Key West Co	700 00	3,000 00	700 00
Unknown	Ging Kee.....	75 00	1,000 00	75 00
Unknown	Willard Bros.....	470 00	10,000 00	455 00
Unknown	L. Cohen & Son....	50 00	5,000 00	50 00
Incendiary.....	Mrs. H. Bulger.....	1,800 00	.....	.....
Spark from chimney.....	E. Stemple.....	235 50	3,000 00	187 50
Carelessness with lamp.	J. Mahoney.....	386 45	2,700 00	336 45
Carelessness with lamp.	Mrs. Lundin.....	20 00	200 00	20 00
Carelessness with gas	H. H. Penn.....	350 00	3,000 00	300 00
Carelessness with gas	H. Schoene.....	100 00	500 00	100 00
Carelessness with gas	H. Sanders	1,518 30	11,000 00	1,518 00
Carelessness with gas	Mrs. F. Cusick.....	125 00	1,500 00	125 00
Carelessness with gas	Von Bergen.....	120 00	4,000 00	120 00
Carelessness with gas	Von Bergen.....	250 00	250 00	250 00
Explosion of coal-oil lamp ...	A. Juzix	400 00	.....	.....
Explosion of coal-oil lamp ...	Mrs. H. Donley.....	125 00	1,000 00	75 00
Overheated furnace	Mrs. E. Russell	75 00	.....	.....
Defective chimney.....	Oregon Improvement Co..	100 00	.....	.....
Spark from chimney.....	A. Baker	10 00	.....	.....
Spark from chimney.....	Kate Coyle.....	10 00	.....	.....

STATEMENT OF DETAILS FIRES AND ALARMS.

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Dec. 25.	5.45 P. M...	49	411 Sutter.....	Japanese store.....	2 story brick
Dec. 25.	5.45 P. M...	49	411 Sutter.....	Japanese store.....	2 story brick....
Dec. 28.	12.20 P. M...	61	238 Minna.....	Dwelling and saloon....	2 story frame....
Dec. 29.	3.05 A. M...	412	Park, near Race-track	Park Louve.....	1 story frame....
Dec. 30.	2.41 A. M...	7	1400 Montgomery....	Dwelling	1 story frame....
Dec. 30.	2.41 A. M...	7	1412 Montgomery	Dwelling	2 story frame....
Dec. 30.	3.42 P. M...	56	125 Rincon Place....	Dwelling	2 story frame....
Dec. 31.	5.09 P. M...	37	11 Front.....	Drug store.....	3 story brick
Jan. 1..	10.35 P. M...	5	Ws Sansome nr Green	Stable.....	2 story frame....
Jan. 1..	10.35 P. M...	5	Next south....	Storage of fish.....	1 story frame....
Jan. 2..	9.35 P. M...	14	Rear of 736 Pacific....	Lodging house.....	1 story frame....
Jan. 4..	4.35 P. M...	25	919 Dupont	Chinese.....	.....
Jan. 5..	2.50 A. M...	25	718 Jackson.....	Chinese storage.....	4 story brick
Jan. 5..	4.02 A. M...	326	Post and Central ave.	Saloon and dwelling....	1 story frame....
Jan. 5..	6.47 P. M...	325	3209 Sacramento	Dwelling	2 story frame....
Jan. 5..	8.26 P. M...	274	15 Elizabeth.....	Dwelling	2 story frame....
Jan. 5..	8.26 P. M...	274	13 Elizabeth.....	Dwelling	2 story frame....
Jan. 5..	8.56 P. M...	47	849 Market	Tailor shop.....	1 story brick
Jan. 5..	8.56 P. M...	47	849 Market	Boot and shoe shop.....	1 story brick
Jan. 6..	8.37 P. M...	18	322 Jackson.....	Junk store.....	1 story frame....
Jan. 7..	8.54 A. M ..	35	511 California.	Office.....	4 story brick
Jan. 8..	6.37 A. M...	61	350 Third.....	Tailor shop.....	2 story frame....
Jan. 8..	6.37 A. M...	61	350 Third	Dwelling	2 story frame....
Jan. 8..	6.37 A. M...	61	350 Third	Jewelry store.....	2 story frame....
Jan. 8..	6.37 A. M...	61	348 Third	Lodging house.....	3 story f ame....
Jan. 8..	6.37 A. M...	61	348 Third	Clothing store.....	3 story frame....
Jan. 10.	7 27 P. M...	93	131 Turk.....	Dwelling	2 story frame....
Jan. 12.	8.45 P. M...	48	30 to 36 Third.....	Millinery store.....	2 story frame....
Jan. 12.	8.45 P. M...	48	30 to 36 Third.....	Cigar store.....	2 story frame....
Jan. 12.	8.45 P. M...	48	30 to 36 Third.....	Dry goods store.....	2 story frame....
Jan. 12.	8.45 P. M...	48	30 to 36 Third.....	Photographing rooms....	2 story frame....

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Gasoline stove.....	George Bros ..	\$470 00	\$21,500 00	\$470 00
Gasoline stove.....	J. F. Chandler ..	199 65	1,400 00	199 65
Carelessness with coal-oil stove	Kate Olesen.....	55 00	900 00	55 00
Unknown	J. Herber.....	11,100 00	9,500 00	Not settled
Unknown	J. Stevens.....	700 00		
Unknown	Ed. Foley.....	750 00	1,000 00	750 00
Defective grate....	F. Goodwin.....	60 00	500 00	50 00
Carelessness with phosphorus.	J. J. Mack & Co.....			
Unknown	Mrs. L. Woltman ..	75 00		
Unknown	Mrs. L. Woltman ..	25 00		
Carelessness with matches....	J. Barnada....	25 00		
Burning chimney				
Explosion of coal-oil lamp....	Loo Lum.....	12 00	2,000 00	12 00
Defective stove.....	P. Brady.....	513 50	2,200 00	513 50
Burning chimney				
Children with matches.....	Joe Stein.....	1,018 50	3,900 00	1,018 50
Children with matches.....	Charles Downes.....	556 00	2,300 00	556 00
Unknown	J. Jackson & Son ..	1,766 50	5,000 00	1,766 50
Unknown	B. Levy	50 00	4,600 00	50 00
Spontaneous combustion	J. Neiman.....	10 00		
Gasoline stove.....	C. D. Wheat.....	100 00		
Carelessness with matches....	C. Wagner.....	800 00	350 00	350 00
Carelessness with matches....	Ellen Lawton.....	50 00		
Carelessness with matches....	A. Svilovich.....	25 00		
Carelessness with matches....	Mrs. C. Assion.....	109 00	2,800 00	109 00
Carelessness with matches....	L. H. Ehrhardt....	25 00		
Defective grate.....	Mrs. F. L. Barker....	75 00		
Unknown	Mrs E. Thomas.....	1,250 00	2,000 00	750 00
Unknown	A. Simons.....	150 00	2,500 00	150 00
Unknown	O. Dwyer & Co	1,200 00	15,500 00	1,200 00
Unknown	Wertz & Dejean.....	363 15	2,500 00	363 15

CHIEF ENGINEER'S REPORT.

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Jan. 12.	8.45 P. M...	48	30 to 36 Third.....	Costumes.....	2 story frame....
Jan. 13.	8.53 A. M...	326	Rear of 1517 Baker..	Wood shed.....	1 story frame....
Jan. 13.	6.21 P. M...	9	320 Moutgomery ave.	.....	3 story frame....
Jan. 13.	10.36 P. M...	78	219-221 Tenth....	Saloon.....	2 story frame....
Jan. 15.	5.40 P. M...	185	426 Eleventh.....	Dwelling.....	2 story frame....
Jan. 16.	5.47 P. M...	213	1805 Laguna.....	Dwelling.....	2 story frame....
Jan. 16.	11.05 P. M...	134	1109 Bush.....	Dwelling.....	2 story frame....
Jan. 18.	7.13 P. M...	63	758 Harrison.....	Dwelling.....	3 story frame....
Jan. 18.	7.13 P. M...	63	758 Harrison.....	Dwelling.....	3 story frame....
Jan. 19.	6.14 A. M...	61	317 Third	Lodging house.....	3 story brick
Jan. 20.	9.34 P. M...	176	1360 Post.....	Dwelling.....	2 story frame....
Jan. 21.	8.20 A. M...	17	Sullivan and Baker al	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Sullivan and Baker al	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Sulltvan and Baker al	Dwelling....	3 story brick
Jan. 21.	8.38 A. M...	17	Sullivan and Baker al	Dwelling.....	3 story brick....
Jan. 21.	8.38 A. M...	17	Sullivan and Baker al	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Sullivau and Baker al	Dwelling	3 story brick....
Jan. 21.	8.38 A. M...	17	Sullivan and Baker al	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Next S. on Sul. alley	Chinese store.....	3 story brick
Jan. 21.	8.38 A. M...	17	Next S. on Sul. alley	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Next S. on Sul. alley	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Next S. on Sul. alley	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Next S. on Sul. alley	Dwelling.....	3 story brick
Jan. 21.	8.38 A. M...	17	Next S. on Sul. alley	Dwelling.....	3 story brick
Jan. 21.	10.50 P. M...	257	1841 Chestnut.....	Dwelling.....	2 story frame....
Jan. 23.	3.15 P. M...	65	9 Seventh.....	Dwelling.....	2 story frame....
Jan. 24.	5.27 A. M...	72	Erie.....	Dwelling.....	2 story frame....
Jan. 24.	8.38 P. M...	184	233 Seventh.....	Dwelling.....	2 story frame....
Jan. 25.	9.09 P. M...	34	156 Steuart.....	Dwelling.....	2 story frame....
Jan. 28.	8.21 P. M...	159	310 Sixth.....	Dry goods	2 story frame....
Jan. 29.	6.53 P. M...	31	530-532 Sacramento ..	Carpenter shop.....	1 story frame....

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE	PAID.
Unknown	M. Schaefer.....	\$30	00	\$30 00
Children with match	H. Henley.....	5 0		
Carelessness with coal-oil stove	J. B. Grace.....	17 40	1,000 00	17 40
Incendiary.....	D. Murry.....	105 00	500 00	5 00
Children with matches.....	R. Rosenberg.....	227 00	1,500 00	227 00
Defective coal-oil lamp	J. Levin.....	84 75	5,000 00	84 75
Defective grate.....	W. T. Davis.....	6,650 25	13,000 00	6,650 25
Explosion of coal-oil lamp	Mrs. J. Grace.....	50 00	2,000 00	
Explosion of coal-oil lamp	Mrs. May.....	25 00		
Spark from chimney.....	H. Mathews.....	45 00	3,600 00	20 00
Defective range.....	E. Goslinsky.....	1,454 50	22,000 00	1,454 50
Explosion of coal-oil lamp	Ling Kee.....	1,850 00	1,500 00	1,250 00
Explosion of coal-oil lamp	Chung Woo.....	200 00	200 00	200 00
Explosion of coal-oil lamp	Chum Sing & Co.....	35 00	300 00	35 00
Explosion of coal-oil lamp	Quong Chung.....	111 90	1,000 00	111 90
Explosion of coal-oil lamp	Poon Phang.....	160 00	200 00	160 00
Explosion of coal-oil lamp	Oh Oye.....	181 96	200 00	181 96
Explosion of coal-oil lamp	Sing Hoe.....	157 65	200 00	157 65
Explosion of coal-oil lamp	Ah Quie.....	120 55	200 00	120 55
Explosion of coal-oil lamp	Yow Choy.....	255 00	5,200 00	255 00
Explosion of coal-oil lamp	Jung Cheong.....	40 00	400 00	40 00
Explosion of coal-oil lamp	Yee Lung.....	75 00	400 00	75 00
Explosion of coal-oil lamp	Chong Chow.....	10 00	300 00	10 00
Explosion of coal oil lamp	Sing Lee.....	10 00	300 00	10 00
Explosion of coal-oil lamp	You Lee.....	50 00	500 00	50 00
Defective chimney.....	Kate Cahill.....	86 00	1,220 00	86 00
Children with matches.....	A. A. Patton.....	50 00	500 00	25 00
Carelessness with coal-oil lamp	William Ede	27 00	1,200 00	27 00
Carelessness with matches....	C. Mason.....	155 50	2,500 00	155 50
Carelessness with candle	Mrs. L. Meyer.....	325 00	4,500 00	325 00
Defective stovepipe	T. J. Clancy.....	777 50	5,000 00	777 50

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Jan. 29.	6.53 P. M...	31	530-532 Sacramento ..	Saloon.....	1 story frame....
Jan. 30.	2.00 A. M...	31	530-532 Sacramento ..	Saloon.....	1 story frame....
Jan. 30.	2.00 A. M...	31	530-532 Sacramento ..	Carpenter shop.....	1 story frame....
Jan. 30.	2.00 A. M...	31	538 Sacramento.....	Picture frame factory	4 story brick
Jan. 30.	10.55 P. M...	9	1323 Dupont.....	Dry goods.....	4 story frame....
Jan. 30.	10.55 P. M...	9	1323 Dupont.....	Bakery.....	1 story frame....
Jan. 31.	6.15 P. M...	185	18 Dore.....	Dwelling.....	2 story frame....
Jan. 31.	10.27 P. M...	86	112-116½ Oak.....	Dwelling.....	3 story frame....
Jan. 31.	10.27 P. M...	86	112-116½ Oak.....	Dwelling.....	3 story frame....
Jan. 31.	10.27 P. M...	86	112-116½ Oak.....	Dwelling.....	3 story frame....
Jan. 31.	10.27 P. M...	86	112-116½ Oak.....	Dwelling.....	3 story frame....
Jan. 31.	10.27 P. M...	86	112-116½ Oak.....	Dwelling.....	3 story frame....
an. 31.	10.27 P. M...	86	108½ Oak.....	Dwelling.....	3 story frame....
Feb. 5..	6.00 A. M...	97	532 Polk.....	Restaurant.....	3 story frame....
Feb. 5..	6.44 P. M...	25	Cor. Stockton & Clay	Lodging.....	3 story frame....
Feb. 5..	6.44 P. M...	25	Cor. Stockton & Clay	Lodging.....	3 story frame....
Feb. 6..	6.05 P. M...	17	1110 Dupont.....	Unoccupied.....	1 story frame....
Feb. 6..	8.17 P. M...	265	107-109 Beale.....	Coffee Mill.....	1 story frame....
Feb. 7..	2.00 A. M...	41	705 Sutter.....	Dwelling.....	4 story frame....
Feb. 7..	6.45 P. M...	29	802½ Stockton.....	Dwelling.....	2 story frame....
Feb. 7..	6.45 P. M...	2 9	802½ Stockton.....	Dwelling.....	2 story frame....
Feb. 7..	6.45 P. M...	29	802½ Stockton.....	Dwelling.....	2 story frame....
Feb. 7..	6.45 P. M...	29	802½ Stockton.....	Dwelling.....	2 story frame....
Feb. 7..	6.45 P. M...	29	802½ Stockton.....	Dwelling.....	2 story frame....
Feb. 7..	6.45 P. M...	29	802½ Stockton.....	Dwelling.....	2 story frame....
Feb. 7..	6.45 P. M...	29	804 Stockton.....	.....	3 story brick
Feb. 8	11.07 A. M...	136	Cor. Bluxome and 5th	Restaurant, saloon, dwell,	2 story frame....
Feb. 8..	1.10 P. M...	98	924 to 928 Market	Fancy goods.....	4 story brick
Feb. 8	5.25 P. M...	46	134 Sutter.....	Jewelry.....	3 story brick
Feb. 9..	1.03 A. M...	283	.....	.....	.....
Feb. 9..	9.55 A. M...	8	1514 Stockton.....	Boot and shoe store.....	2 story frame....

STATEMENT OF FIRES AND ALARMS.

73

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Incendiary.....	T. Robinett.....	\$500 00	.....	.....
Incendiary.....	H. Peterson.....	200 00	\$300 00	\$200 00
Incendiary.....	H. Peterson.....	500 00	300 00	200 00
Incendiary.....	T. Robinett.....	400 00	500 00	Not settled
Incendiary.....	J. T. Hill.....	743 30	12,500 00	743 35
Unknown.....	E. Brown & Co.....	4,500 00	4,200 00	2,700 00
Unknown.....	Jacob Bill.....	1,000 00	600 00	180 00
Explosion of coal-oil stove...	M. Earle.....	67 25	1,500 00	67 20
Unknown.....	F. Hoffing.....	1,797 75	19,000 00	1,797 75
Unknown.....	P. Klare.....	137 20	800 00	137 20
Unknown.....	T. E. Champion.....	112 75	2,000 00	112 75
Unknown.....	Ed. Smith.....	25 00	.....	.....
Unknown.....	William Unger.....	124 00	1,000 00	124 00
Unknown.....	A. Strause.....	375 00	1,000 00	375 00
Explosion of coal-oil lamp...	Houte & Meyer.....	200 00	5,000 00	200 00
Explosion of coal-oil lamp...	Ah Sing.....	10 00	.....	.....
Explosion of coal-oil lamp...	Lu Tong.....	10 00	.....	.....
Cigarette smoking.....	.....	.....	.....	.....
Unknown.....	E. Guttard & Co.....	5 00	.....	.....
Defective chimney.....	George Chismore.....	25 00	12,500 00	25 00
Carelessness with candle.....	Chung Show.....	110 00	950 00	840 00
Carelessness with candle.....	Wong On.....	400 00	450 00	400 00
Carelessness with candle.....	Ah Wing.....	100 00	.....	.....
Carelessness with candle.....	Tam Hing.....	140 00	600 00	140 00
Carelessness with candle.....	Lui Hong Fan.....	83 25	250 00	83 25
Carelessness with candle.....	Soo Hoo Fong.....	371 00	400 00	371 00
Carelessness with candle.....	Joe Getz.....	30 00	3,000 00	30 00
Unknown.....	A. Herzo.....	1,72 00	2,200 00	1,725 00
.....	Green estate.....	.....	.....	.....
Unknown.....	H. Levison.....	8,310 00	82,000 00	8,310 00
False alarm.....	.....	.....	.....	.....

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Feb. 9..	9.55 A. M...	8	1514 Stockton.....	Fancy goods.....	2 story frame....
Feb. 9..	9.55 A. M...	8	1512 Stockton.....	Fancy goods.....	1 story frame....
Feb. 9..	2.26 P. M...	216	2517½ Sacramento....	Dwelling....	2 story frame....
Feb. 9..	3.54 P. M...	152	Rear of 1070 Bryant .	Stable.....	2 story frame....
Feb. 10.	11.45 A. M...	155	.....	.....	.....
Feb. 10	6.05 P. M...	73	Howard bet 8th & 9th	.....	.....
Feb. 11.	5.48 P. M...	234	318 Sacramento.....	Hospital.....	2 story frame....
Feb. 12.	8.10 P. M...	79	1516 Folsom.....	Dwelling.....	1 story frame ...
Feb. 12.	8.10 P. M...	79	1516 Folsom.....	Dwelling....	1 story frame....
Feb. 13.	11.13 A. M...	341	1325 Steiner.....	Dwelling.....	1 story frame ...
Feb. 13.	2.00 P. M...	91	334 Turk	Dwelling....	2 story frame....
Feb. 16.	12.06 P. M...	48	.....	.....	.....
Feb. 16.	11.08 P. M...	146	York, near Mariposa	Dwelling....	1 story frame....
Feb. 16.	11.52 P. M...	153	.....	.....	.....
Feb. 17.	1.20 A. M...	216	2204-2206 Fillmore ...	Dwelling.....	2 story frame....
Feb. 17.	1.20 A. M...	216	2204-2206 Fillmore ...	Dwelling.....	2 story frame....
Feb. 17.	1.20 A. M...	216	2208 Fillmore	Dwelling.....	2 story frame....
Feb. 17.	10.56 A. M...	259	1817 Vallejo.....	Dwelling.....	2 story frame....
Feb. 18.	1.25 P. M...	27	429 Montgomery....	Picture frame factory....	3 story brick
Feb. 19.	7.01 A. M...	136	Van Ness & Myrtle av	.....	4 story frame....
Feb. 19.	11.23 A. M...	139	Rear of 513½ Hyde...	Dwelling.....	2 story frame....
Feb. 19.	8 52 P. M...	67	.....	.....	.....
Feb. 20.	3.03 A. M...	9	32 Hinckley alley...	Tanale factory.....	1 story frame....
Feb. 20.	8.27 P. M...	275	1005 Church.....	Dwelling.....	2 story frame....
Feb. 22.	12.04 A. M...	284	Cor. 29th & Mission..	Saloon and dwelling.....	2 story frame....
Feb. 22.	5.05 A. M...	38	Market & N. Mont'gy	Hotel.....	7 story brick
Feb. 28.	12.34 A. M...	19	6 8 Jackson.....	Restaurant....	2 story frame....
Feb. 28.	12.34 A. M...	19	5-8 Jackson.....	Saloon.....	2 story frame....
Feb. 28.	8.19 P. M...	91	318-320 Turk.....	Dwelling....	2 story frame ...
Feb. 28.	8.19 P. M...	91	318-320 Turk.....	Dwelling.....	2 story frame....
Mar. 1..	12.03 A. M...	265	.....	.....	.....

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Unknown	N. Joseph.....	\$1,825 25	\$3,625 00	\$1,205 25
Unknown	A. Carle.....	80 00	3,000 00	80 00
Unknown	A. Carle.....	5,062 50	6,062 50	5,062 50
Spark from grate.....	William Floyd.....	88 00	1,500 00	88 00
Spark from smokestack.....	P. McCan.....	5 00	.....	.....
False alarm.....	.....	.....	.....	.....
Burning tar-kettle.....	.....	.....	.....	.....
Explosion of coal-oil lamp.....	.....	45 00	17,000 00	45 00
Unknown	J. Rosenberg.....	850 00	1,700 00	850 00
Unknown	Mrs. G. Cotton	65 00	2,000 00	65 00
Defective chimney.....	T. McDemett.....	30 00	1,000 00	25 00
Children with matches.....	L. W. Beecher.....	10 00	.....	.....
False alarm.....	.....	.....	.....	.....
Explosion of coal-oil lamp....	— O'Neal.....	96 25	1,000 00	91 25
False alarm.....	.....	.....	.....	.....
Unknown ..	Mrs. L. G. Crossley	3,018 00	6,800 00	3,018 00
Unknown	S. E. Bell.....	801 35	2,000 00	801 35
Unknown	D. Comfoot.....	55 00	2,000 00	30 00
Wooden ash box.....	F. D. Spaulding.....	.....	.....	.....
Carelessness with cigarette....	D. F. Walker.....	456 00	40,750 00	456 00
Wood piled up near boiler....	L. A. Levy.....	50 00	.....	.....
Gasoline stove.....	D. Feil.....	25 00	900 00	.....
False alarm .....	.....	.....	.....	.....
Hot ashes.....	H. Torres.....	90 00	400 00	40 00
Defective grate... ..	John Duffy.....	90 00	1,200 00	65 00
Unknown	P. J. Cody.....	1,796 45	2,300 00	1,796 45
Defective dry-room	Sharon estate.....	1,535 55	1,016,750 00	1,535 55
Defective range.....	S. Johnson.....	75 00	.....	.....
Defective range	Hanson & Oleson.....	10 00	500 00	10 00
Unknown	J. Darraugh.....	235 00	3,500 00	235 00
Unknown	M. A. Waterman	350 00	1,100 00	350 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Mar. 1..	1.57 A. M...	159	.....	.....	.....
Mar. 1..	3.25 A. M...	64	.....	.....	.....
Mar. 2..	10.58 A. M...	51	.....	.....	.....
Mar. 2..	6.34 P. M...	65	126-128 Sixth	Dry goods store	4 story frame....
Mar. 3..	9.17 A. M...	48	718 to 722 Market....	Fancy goods.....	2 story brick
Mar. 3..	9.44 P. M...	83	205 Gough.....	Tea store...A.....	2 story frame....
Mar. 3..	10.11 P. M...	278	.....	.....	.....
Mar. 4..	3.05 P. M...	193	.....	.....	.....
Mar. 4..	10.04 P. M...	65	117 Sixth.....	Furniture.....	2 story frame....
Mar. 4..	10.04 P. M...	65	119½ Sixth.....	Lodging house.....	2 story frame....
Mar. 4..	10.04 P. M...	65	469 Minna.....	Lodging house.....	3 story frame....
Mar. 5..	10.04 P. M...	65	469 Minna.....	Dwelling.....	3 story frame....
Mar. 5..	1.51 A. M...	52	111-113 Fremont....	Machline shop.....	1 story frame....
Mar. 5..	1.51 A. M...	52	123 Fremont.....	Boiler works.....	1 story frame....
Mar. 6..	3.40 A. M...	27	.....	.....	.....
Mar. 7..	8.43 P. M...	29	921 Sacramento	Dwelling.....	2 story frame....
Mar. 12.	9.03 P. M...	48	42 Third.....	Ladies and gents' undrwr.	4 story brick
Mar. 14.	10.54 P. M...	21	649 Clay.....	Dwelling.....	2 story brick
Mar. 16.	8.55 P. M...	29	707 Stockton	Mattress factory....	2 story frame....
Mar. 16.	8.55 P. M...	29	707 Stockton	Dwelling.....	2 story frame....
Mar. 16.	8.55 P. M...	29	709 Stockton	Dwelling.....	2 story frame....
Mar. 17.	4.32 A. M...	29	709 Stockton	Dwelling.....	2 story frame....
Mar. 18.	4.51 A. M...	152	Eldorado & De Hara.	Fertilizing works....	2 story frame....
Mar. 18.	4.51 A. M...	152	Eldorado & De Hara.	Dwelling	3 story frame....
Mar. 18.	4.51 A. M...	152	Eldorado & De Hara.	Storage.....	2 story frame....
Mar. 21.	7.45 P. M...	17	1024 Dupont.....	Lodging house.....	3 story brick
Mar. 21.	7.45 P. M...	17	1024 Dupont.....	Barber shop.....	3 story brick
Mar. 21.	7.45 P. M...	17	1024 Dupont.....	Storage.....	3 story brick
Mar. 25.	10.57 P. M...	47	9 Mason.....	Lodging house.....	3 story frame....
Mar. 29.	7.45 P. M...	85	524 Hayes.....	Dwelling .....	.....
Mar. 31.	7.16 P. M...	8	710 Green.....	Dwelling	2 story frame....

STATEMENT OF FIRES AND ALARMS.

77

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
False alarm				
False alarm.....				
False alarm.....				
False alarm				
Gas jet.....	D. M. Moran & Co.....	\$2,525 00	\$34,000 00	\$2,525 00
Electric wires.....	Davis Bros.....	10 00		
Defective chimney.....	George Raphael.....	956 00	6,400 00	956 00
False alarm.....				
False alarm				
Unknown	Newmann Bros	2,090 85	10,650 00	2,090 85
Unknown	C. A. Mosher.....	28 50	2,000 00	28 50
Unknown	A. M. Bratcher.....	25 00	2,300 00	25 00
Unknown	L. Schloe.....	10 00	1,200 00	10 00
Hot ashes.....	H. G. Layng.....	50 00		
Hot ashes.....	P. Lemner.....	110 00	2,000 00	110 00
False alarm				
Carelessness with coal-oil lamp	F. T. Snowden	249 75	4,200 0	249 75
Gas jet.....	Magner & Co	1,500 00	43,000 00	1,500 00
Explosion of coal-oil lamp.....		5 00		
Unknown	E. Cerfe.....	650 00	450 00	150 00
Unknown	Mrs. J. Laloge.....	100 00		
Unknown	P. Wilkins.....	1,051 85	900 00	1,051 85
Rekindling.....				
Unknown	A. Prou.....	7,406 00	3,000 00	2,600 00
Unknown	C. Domenico.....	2,680 00	1,500 00	1,500 00
Unknown	A. Prou.....	100 00		
Unknown	Lee Poe.....	800 00	6,700 00	800 00
Unknown	Tong Wah Yet	25 00		
Unknown	You Yun & Co.....	575 00	4,000 00	575 00
Carelessness with gasoline....	Mrs. A. Thoney....	425 00	5,000 00	375 00
Burning chimney.....				

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Apr. 1..	6 21 P. M...	27	526-528 Sacramento...	Lithographing.....	4 story brick
Apr. 1..	6 21 P. M...	27	526-528 Sacramento...	Printing.....	4 story brick
Apr. 1..	6 21 P. M...	27	526-528 Sacramento...	Lithographing	4 story brick
Apr. 1..	6 21 P. M...	27	526-528 Sacramento...	Machine shop.....	4 story brick
Apr. 2..	4 25 P. M...	156	Foot of Sixth.....	Dumps.....	.....
Apr. 2..	11 26 P. M...	49	504 Powell.....	Lodging house.....	2 story frame....
Apr. 4..	4 19 A. M. .	17	625 Pacific.....	Laundry.....	2 story brick
Apr. 4..	4 19 A. M. .	17	625 Pacific.....	Saloon and lodging house	2 story brick
Apr. 4..	4 55 A. M. .	97	333 Golden Gate ave .	Carpet beating works....	2 story frame....
Apr. 4 .	4 55 A. M. .	97	331 Golden Gate ave .	Dwelling	2 story frame....
Apr. 4..	6 10 P. M...	264	100-102 California	Wholesale groceries.....	3 story brick
Apr. 5..	2 30 P. M...	385	129 Pierce.....	Dwelling	2 story frame....
Apr. 6..	1 53 A. M. .	17	1033 Kearny.....	Lodging house.....	1 story frame....
Apr. 6..	1 53 A. M. .	17	Broadway & Kearny	Lodging house.....	2 story frame....
Apr. 6..	1 53 A. M. .	17	Broadway & Kearny .	Grocery store.....	2 story frame....
Apr. 9..	5 16 A. M. .	17	636 Pacific.....	Cigar factory	3 story brick
Apr. 11.	6 10 P. M...	68	423 to 441 Brannan...	Fruit packing	1 story frame....
Apr. 13.	8 05 A. M. .	8	810 Union	Dwelling	2 story frame....
Apr. 13.	8 05 A. M. .	8	808 Union.....	Dwelling	2 story frame....
Apr. 14.	10 41 P. M...	153	321 Seventh	Dwelling	1 story frame....
Apr. 17.	7 24 P. M...	127	.....	.....	.....
Apr. 19.	12 53 A. M. .	19	Drumm and Pacific..	Saloon.....	1 story frame....
Apr. 19.	11 23 A. M. .	52	51 to 61 First.....	Liquor store.....	4 story brick
Apr. 21.	4 27 P. M...	136	1234 Post.....	Dwelling	2 story frame....
Apr. 22.	1 54 A. M. .	78	242 Ninth.....	Saloon.....	1 story frame....
Apr. 22.	5 03 P. M...	84	77 Colton.....	Dwelling	2 story frame....
Apr. 22.	5 03 P. M...	84	77 Colton	Dwelling	2 story frame....
Apr. 22.	11 58 P. M...	362	.....	.....	.....
Apr. 23.	2 49 P. M...	43	217-221 Geary.....	Furniture store.	5 story brick
Apr. 25.	2 15 A. M. .	25	1024 Dupont.....	Barber shop.....	3 story brick
Apr. 25.	8 20 P. M...	159	212 Sixth	Dwelling.....	2 story frame....

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Carelessness with candle.....	C. Kolb.....	\$5 00		
Defective dry-room	Britton & Rey.....	2,670 00	\$1,000 00	\$350 00
Defective dry-room	H. De Forrest.....	431 00	3,500 00	431 00
Defective dry-room	George Joos.....	125 00	1,000 00	125 00
Defective dry-room	J. Hermann.....	50 00	1,000 00	50 00
Hot ashes.....				
Unknown	Mrs. A. Girard	77 00	1,600 00	67 00
Explosion of coal-oil lamp...	Wah Hing.....	600 00		
Explosion of coal-oil lamp...	F. D. Petri.....	80 00	1,000 00	80 00
Drunkenness.....	Conklin Bros.....	2,225 00	1,700 00	1,625 00
Drunkenness.....	W. H. Carpenter	240 00	5,000 00	240 00
Unknown.....	Haas Bros.....	24,342 29	200,000 00	24,342 29
Defective chimney.....	F. W. Miller.....	75 00	8,600 00	75 00
Unknown	Mrs. L. Bailey.....	675 00	1,400 00	675 00
Unknown	Mrs. L. Bailey.....	500 00	2,000 00	250 00
Unknown	Mehrmann.....	50 00	2,000 00	50 00
Unknown	Lee Hoy.....	1,340 00	3,500 00	1,340 00
Unknown	A. Lusk & Co	3,785 70	57,250 00	3,785 70
Children with matches.....	J. Pezzolo.....	400 00		
Children with matches.....	George Kellnie	45 00	2,250 00	45 00
Explosion of coal-oil lamp...	L. Daly.....	800 00	800 00	800 00
False alarm.....				
Unknown.....	J. G. Wedel.....	225 00	1,000 00	150 00
Carelessness with matches...	A. Greenebaum & Co....	2,091 35	60,500 00	2,091 35
Ham burning in stove oven..	J. Roma.....			
Unknown	Foley & Co.....	145 00	300 00	120 00
Defective chimney.....	F. Ginette.....	310 00	300 00	200 00
Defective chimney.....	M. O'Donald.....	100 00		
False alarm				
Carelessness with cigarette...	Cal. Furniture Co.....	2,310 00	160,000 00	2,310 00
Explosion of coal-oil lamp...	Tong Wah Yet	60 00	6,000 00	

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
Apr. 25.	8 20 P. M...	159	212 Sixth	Dry goods store.....	2 story frame....
Apr. 25.	8 29 P. M...	48	Phelan Block, Market	Stores.....	.....
Apr. 27.	10 12 A. M. .	286	2506 Bryant avenue..	Dwelling.....	1 story frame....
Apr. 28.	3 37 A. M. .	63	223 Perry.....	Grocery store.....	2 story frame....
Apr. 28.	3 37 A. M. .	63	223 Perry.....	Dwelling....	2 story frame....
Apr. 28.	3 37 A. M. .	63	223 Perry.....	Dwelling and grocery ...	3 story frame....
Apr. 25.	11 36 A. M. .	36	Rear of 225 Steuart .	Chinese wash house.....	1 story frame....
Apr. 29.	7 17 P. M...	27	.....	.....	.....
May 1..	4 56 A. M. .	43	777 to 783 Market ...	Restaurant....	3 story frame....
May 1..	4 56 A. M. .	43	777 to 783 Market..	Lodging house.....	3 story frame....
May 1..	4 56 A. M. .	43	777 to 783 Market ...	Printing office.....	3 story frame....
May 1..	4 56 A. M. .	43	777 Market.....	Lodging house.....	3 story frame....
May 1..	4 56 A. M. .	43	5 to 9 Fourth....	Book store.....	3 story frame....
May 1..	4 56 A. M. .	43	5 to 9 Fourth.....	Pawn shop.....	3 story frame....
May 1..	4 56 A. M. .	43	5 to 9 Fourth....	Lodging house.....	3 story frame....
May 2..	3 27 A. M. .	134	Rear 672 Clementina.	Dwelling....	2 story frame....
May 2..	7 45 P. M...	137	Larkin and Geary....	Dwelling	2 story frame....
May 4..	7 18 A. M. .	38	Stevenson and Second	Drug store.....	5 story brick ...
May 4..	9 28 A. M. .	152	Rear of 924 Brannan	Stable.....	1 story frame....
May 6..	2 05 P. M...	261	6 Lick alley.....	Dwelling	2 story frame....
May 6..	2 05 P. M...	261	6 Lick alley.....	Dwelling	2 story frame....
May 6..	6 50 P. M...	61	47-49 Everett ...	Wood and coal office ...	2 story frame....
May 7..	2 35 A. M. .	9	15 Bannam Place ...	Dwelling	2 story frame....
May 9..	9 13 P. M...	149	2227 Folsom.....	Broom factory.....	2 story frame....
May 10.	9 52 P. M...	43	Market and O'Farrell	.....	.....
May 11.	9 00 P. M...	267	Cor Davis & Market..	Groceries.....	3 story brick ...
May 11.	9 00 P. M...	268	8 and 10 Davis	Commission house.....	3 story brick
May 16.	12 24 P. M...	158	217-217½ Clara....	Tailor shop and dwelling	3 story frame....
May 16.	12 24 P. M...	158	217-217½ Clara.....	Tailor shop and dwelling	3 story frame....
May 16.	12 24 P. M...	158	219 Clara.....	Tailor shop and dwelling	2 story frame....
May 17.	1 03 A. M. .	173	Attached to 1400 Ellis	Stable	1 story frame....

STATEMENT OF FIRES AND ALARMS.

81

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Explosion of coal-oil lamp....	R. Waters.	\$1,150 00	\$3,950 00	\$1,150 00
Explosion of coal-oil lamp....	A. Lavallie.....	978 25	10,000 00	978 25
Fireworks in decorations....	.....	.....	.....	.....
Children with matches	J. Kaupert.....	112 00	2,100 00	112 00
Unknown	H. Keenan..	500 00	1,300 00	500 00
Unknown	P. Mirsky.....	172 25	300 00	172 25
Unknown	Mrs. E. Cannon ..	134 97	900 00	134 97
Defective furnace.....	Lun Shun.....	75 00	.....	.....
False alarm .....	.....	.....	.....	.....
Defective chimney.....	O. Carlson.....	2,203 50	39,500 00	2,203 50
Defective chimney.....	Mrs. L. Pinkers....	744 50	1,600 00	744 50
Defective chimney.....	E. R. Ormsby & Co.....	10 00	.....	.....
Defective chimney	Mrs. J. Constant ..	750 00	2,800 00	750 00
Unknown	King Bros.....	190 00	3,250 00	190 00
Unknown	— Spinks.....	175 00	2,000 00	175 00
Unknown	E. Sullivan.....	40 30	400 00	40 00
Spark from chimney.....	M. Gough.....	50 00	600 00	50 00
Burning chimney.....	.....	.....	.....	.....
Carelessness with phosphorus.	Redington & Co.....	227 00	66,500 00	177 50
Pipe smoking.....	Joe Vallergo.....	150 00	.....	.....
Unknown	L. Rosaris.....	300 00	.....	.....
Unknown	— Morrison.....	100 00	.....	.....
Explosion of coal-oil stove...	John Meyer.....	75 00	.....	.....
Explosion of coal-oil lamp....	T. Rouch	85 00	400 00	35 00
Carelessness gasoline stove...	M. Bloom.....	41 50	3,000 00	41 50
Burning chimney.....	.....	.....	.....	.....
Unknown	Wellman, Peck & Co....	495 00	102,000 00	495 00
Unknown	Hulme & Hart	100 00	2,000 00	100 00
Explosion of gasoline stove..	A. Kamler....	891 50	2,400 00	891 50
Explosion of gasoline stove..	A. Stark.....	120 00	600 00	120 00
Explosion of gasoline stove..	Mike Hughes....	6 00	1,500 00	6 00

CHIEF ENGINEER'S REPORT.

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
May 17.	1 03 A. M. .	173	4400 Ellis.....	Stable.....	1 story frame....
May 18.	2 26 A. M. .	13	12 Broadway	Lodging house and saloon	2 story frame....
May 18.	5 15 P. M. .	42	Rear of 519 Post	Dwelling	2 story frame....
May 18.	5 15 P. M. .	42	Rear of 517 Post	Dwelling	2 story frame....
May 18.	5 15 P. M. .	42	521 Post.....	Lodging house.....	3 story frame....
May 18.	10 55 P. M. .	2	17 Jensen.....	Dwelling.....	2 story frame....
May 23.	2 42 A. M. .	36	128 Folsom.....	Dwelling and saloon.....	2 story frame....
May 24.	7 12 A. M. .	63	338 Fourth.....	Dwelling and tailor shop	3 story frame....
May 24.	4 45 P. M. .	64	454 Tehama.....	Dwelling	3 story frame....
May 24.	8 10 P. M. .	62	136 Fourth	Furniture store.....	3 story frame....
May 24.	8 10 P. M. .	62	136 Fourth	Hotel.....	3 story frame....
May 25.	12 25 A. M. .	73	Rear of 1125 Folsom .	Junk store.....	1 story frame....
May 25.	12 25 A. M. .	73	Rear of 1125 Folsom.	Stable.....	1 story frame....
May 25.	12 25 A. M. .	73	1148 Folsom.....	Junk store and dwelling..	2 story frame ...
May 25.	12 25 A. M. .	73	1146 Folsom.....	Furniture and dwelling..	1 story frame....
May 25.	12 25 A. M. .	73	1146 Folsom.....	Dwelling and tailor shop	3 story frame....
May 25.	12 25 A. M. .	73	1144 Folsom.....	Dwelling.....	2 story frame....
May 25.	12 25 A. M. .	73	1144 Folsom.....	Hay barn.....	2 story frame....
May 25.	12 25 A. M. .	73	Rear 675 Clementina.	Dwelling.....	3 story frame....
May 25.	12 25 A. M. .	73	677-679 Clementina...	Dwelling	2 story frame....
May 25.	2 27 A. M. .	43	219 O'Farrell.....	Chinese wash house.....	1 story frame....
May 25.	2 27 A. M. .	43	217 O'Farrell.....	Dwelling.....	2 story frame....
May 25.	2 27 A. M. .	43	223 O'Farrell.....	Dwelling	2 story frame....
May 25.	4 07 P. M. .	341	1403 Ellis.....	Stable.....	2 story frame....
May 25.	4 07 P. M. .	341	1405 Ell's.....	Dwelling	2 story frame....
May 27.	2 50 A. M. .	47	1016 Market.....	Lodging house.....	3 story frame....
May 27.	4 56 A. M. .	25	Rear 828 Washington	Lodging house.....	3 story brick
May 30.	12 36 A. M. .	13	Davis & Broadway...	Saloon.....	2 story frame....
May 30.	12 36 A. M. .	13	Davis & Broadway...	Saloon and lodging house	2 story frame....
May 31.	10 55 P. M. .	274	.....	.....	.....
June 3..	5 38 P. M. .	261	417 Mission	Wood turning.....	2 story frame....

STATEMENT OF FIRES AND ALARMS.

83

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Carelessness with candle.....	J. Levey.....	\$50 0	\$50 00	\$50 00
Unknown	J. J. Duffy	502 00	1,000 30	502 00
Explosion of gasoline stove..	H. Ericson.....	1,300 00	250 00	250 00
Explosion of gasoline stove..	I. Bachagalipi.....	60 00	2,300 00	60 00
Explosion of gasoline stove..	A. W. Foster.....	247 64	9,000 00	222 64
Explosion of coal-oil stove....	M. Garcia.....	35 00		
.....	P. Kelly.....		1,300 00	
Unknown	S. E. Schlanker.....	925 00	6,500 00	925 00
Spark from chimney.....	M. Joice.....	85 00	1,500 00	85 00
Defective range.....	J. H. Malone.....	721 50	5,700 00	721 50
Defective range.....	M. Webber.....	65 00	4,000 00	65 00
Defective range.....	R. Rosenberg.....	300 00	300 00	300 00
Defective range	R. Rosenberg.....	150 00	100 00	100 00
Defective range	R. Rosenberg.....	185 00	2,600 00	185 00
Defective range	M. Kempner.....	600 00	500 00	500 00
Defective range	Abe Barron	25 00		
Defective range	A. Cunningham.....	740 00	1,000 00	695 00
Defective range	Mowry & Son.....	5 00	3,000 00	5 00
Defective range	M. Gough.....	676 35	750 00	676 35
Defective range	D. D. Murphy.....	425 00	2,000 00	425 00
Defective coal-oil lamp	Tong Kee	400 00	300 00	300 00
Defective coal-oil lamp	May Dillon.....	238 00	3,000 00	188 00
Defective coal-oil lamp	Estate of L. Sohn.....	25 00	2,000 00	25 00
Spark from plumber's stove...	John Plath.....	25 00		
Spark from plumber's stove...	G. E. Bacon.....	100 00		
Cigarette smoking.....	Mrs. J. Riley.....	373 00	5,250 00	373 00
Unknown	Chinese.....	770 00	1,000 00	470 00
Unknown	H. Mugge.....	347 50	2,050 00	347 50
Unknown	Mrs. A. Murphy.....	15 00	3,000 00	15 00
False Alarm				
Spontaneous combustion.....	G. Meyer.....	5 00		

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
June 6..	9 59 P. M...	83	302 Lily avenue	Dwelling	2 story frame....
June 7..	4 00 P. M...	342	Laguna & McAllister	Dwelling	3 story frame....
June 7..	7 40 P. M...	137	929 Larkin.....	Dwelling	2 story frame....
June 8..	2 40 P. M...	84	Rear of 407 Oak.....	Unoccupied	1 story frame....
June 9..	12 55 A. M ..	84	1910 Market.....	Restaurant	1 story frame....
June 9..	12 35 P. M...	81	233 Fell.....	Dwelling	3 story frame....
June 9..	8 52 P. M...	124	Foot of Larkin.....	Unoccupied.....	1 story frame....
June 10.	5 45 P. M...	157	Rear of 821 Folsom..	Wood shed	1 story frame....
June 10.	8 36 P. M...	281	San Bruno Road....	Pork packing	2 story frame....
June 12.	2 08 P. M...	58	Guy Place.....	Stable.....	1 story frame....
June 12.	2 55 P. M...	325	California-Central av.	Restaurant	1 story frame....
June 12.	2 55 P. M...	325	Next south.....	Saloon and dwelling.....	2 story frame....
June 12.	2 55 P. M...	324	Next north.....	.....	2 story frame....
June 12.	3 20 P. M...	284	Bank near Courtland	Stable	2 story frame....
June 12.	4 19 P. M...	145	Shotwell bet 24th-25th	School house.....	3 story frame....
June 12.	4 47 P. M...	19	Oregon and Drumm.	Coal-yard fence.....	.....
June 12.	6 47 P. M...	285	Army near Harrison.	Tannery.....	4 story frame....
June 12.	6 55 P. M...	281	Army near Harrison.	Tannery.....	4 story frame ..
June 13.	4 48 P. M...	13	705 to 715 Battery....	Laundry.....	2 story brick
June 13.	4 48 P. M...	13	705 to 715 Battery....	Maccaroni works	2 story brick
June 13.	4 48 P. M...	13	705 to 715 Battery....	Marble works.....	2 story brick
June 13.	4 48 P. M...	13	705 to 715 Battery....	Restaurant.....	2 story brick
June 14.	8 27 P. M...	293	734 Jackson.....	Tailor shop.....	1 story frame....
June 19.	7 38 P. M...	158	Rear of 870 Folsom..	Chinese wash house	1 story frame....
June 20.	8 36 P. M...	72	1614 Mission	Dwelling	2 story frame....
June 20.	8 36 P. M...	72	1614 Mission.	Saloon	2 story frame....
June 22.	4 24 P. M...	79	Norfolk.....	Vacant lot.....	.....
June 22.	11 30 P. M...	153	1151 Harrison.....	Saloon, grocery and dwell.	2 story frame....
June 23.	6 15 P. M...	62	48 Fourth	Lodging house.....	3 story brick
June 24.	1 15 P. M...	85	Cor Laguna and Fell	Dwelling	3 story frame....
June 24.	9 49 P. M...	159	986 Folsom.....	Furniture.....	1 story frame....

STATEMENT OF FIRES AND ALARMS.

85

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT	LOSS.	INSURANCE.	PAID.
Explosion of coal-oil lamp....	H. J. Leger.....	\$395 50	\$1,000 00	\$395 50
Carelessness with matches....	A. S. Brillhint.....	269 25	4,000 00	269 25
Upsetting of coal-oil stove....	H. Hollings.....	90 00	3,000 00	90 00
Spark from chimney.....	T. Hefferon.....	25 03		
Carelessness with cigarette....	Dr. Haley.....	5 00	503 00	
Hot ashes.....	Estate of M. J. Kelly....	50 00		
Incendiary.....	John Hoyle.....	50 00		
Children with matches.....	M. Farren	22 50	2,000 00	12 50
Unknown	M. Strouse.....	34,066 80	29,500 00	28,216 80
Spark from chimney.....	J. O'Kane.....	170 00	2,000 00	170 00
Explosion of gasoline stove...	B. Doffas.....	250 00		
Explosion of gasoline stove...	B. Doffas.....	345 00	6,200 00	345 00
Explosion of gasoline stove...	Powell Street R. R. Co.	300 00	8,000 00	300 00
Children with matches.....	P. Mathai.....	700 00	120 00	120 00
Tin roofer's stove.....		50 00		
Carelessness with cigarette....	R. D. Chandler.....	75 00		
Unknown	Poetsch & Peterson	14,102 32	12,000 00	12,000 00
Unknown	Poetsch & Peterson	14,102 32	12,000 00	12,000 00
Unknown	Wo Hen & Co.....	2,074 20	3,050 00	1,969 20
Unknown	G. B. Mustro.....	998 80	2,000 00	998 80
Unknown	J. Mustro.....	120 00	1,500 00	120 00
Unknown	H. Lawrence	50 00		
Explosion of coal-oil lamp....	C. Lee.....	200 00		
Defective furnace.....	Quong Lang.....	5 00		
Unknown	A. Herman.....	225 00	1,500 00	215 00
Unknown	William Pfluger.....		1,000 00	
Fire in an old mattress.....				
Explosion of coal-oil lamp....	R. Knell.....	210 00	400 00	110 00
Explosion of gas.....	E. R. Owens.....	80 00	11,000 00	
Carelessness plumber's stove..	C. Lozin.....	80 00	5,300 00	80 00
Upsetting coal-oil lamp.....	M. Epstein.....	634 50	2,500 00	634 50

STATEMENT OF FIRES AND ALARMS.

87

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Explosion of coal-oil stove....	T. Nealon.....	\$180 75	\$1,750 00	\$180 75
Defective kettle-pipe.....	Ed. Bonnett.....	10 00	.....	.....
Defective kettle-pipe.	W. C. Henson.....	10 00	1,000 00	10 00
Explosion of gasoline stove...	J. McDevett.....	95 00	1,400 00	70 00
Children with matches.....	Tom Daly.....	613 00	600 00	600 00
Children with matches.....	A. Quigley.....	1,000 00	.....	700 00
Spark from fire.....	Lang Bros.....	10 00	.....	.....
Spark from fire	John Dowling.....	10 00	.....	.....
Incendiary.....	A. Huber.....	330 00	7,000 00	330 00
Incendiary.....	A. J. Moher.....	50 00	1,000 00	50 00
Children with matches.....	G. Peldhaus.....	5 00	800 00	5 00
Spontaneous combustion.....	College.....	100 00	.....	.....
Sup. explosion coal-oil lamp..	Sullivan estate	7,500 00	6,000 00	4,500 00
Sup. explosion coal-oil lamp..	Ye Gum.....	250 00	300 00	250 00
Sup. explosion coal-oil lamp..	Ah Ching.....	50 00	300 00	50 00
Sup. explosion coal-oil lamp..	Chum On.....	175 00	300 00	175 00
Sup. explosion coal-oil lamp..	Fung Choy....	36 25	400 00	36 25
Sup. explosion coal-oil lamp..	San Ying.....	125 00	200 00	125 00
Sup. explosion coal-oil lamp..	Law Gong.....	75 00	600 00	75 00
Sup. explosion coal-oil lamp..	Chen Ping.....	40 00	200 00	40 00
Sup. explosion coal-oil lamp..	Hop Yee Tong	150 00	300 00	150 00
Sup. explosion coal-oil lamp..	You Gum.....	50 00	200 00	50 00
Sup. explosion coal-oil lamp..	Fung Gum.	100 00	300 00	100 00
Sup. explosion coal-oil lamp..	Leong Chen.....	520 00	1,000 00	520 00
Sup. explosion coal-oil lamp..	Lung Jue.....	230 00	500 00	230 00
Sup. explosion coal-oil lamp..	Fung Gow.....	190 00	200 00	190 00
Sup. explosion coal-oil lamp..	un Choy.....	123 00	300 00	123 00
Sup. explosion coal-oil lamp..	Fung On.....	90 00	400 00	90 00
Sup. explosion coal-oil lamp..	Choy Ging.....	187 50	200 00	187 50
Sup. explosion coal-oil lamp..	Choi Ying.....	166 75	500 00	166 75
Sup. explosion coal-oil lamp..	Sing Gow.....	128 75	400 00	128 75

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Sup. explosion coal-oil lamp..	Cheong Hom	\$137 00	\$300 00	\$137 00.
Sup. explosion coal-oil lamp ..	Quan Tom.....	44 50	200 00	44 50
Sup. explosion coal-oil lamp..	Chong Hing & Co.....	200 00	200 00	200 00
Sup. explosion coal-oil lamp..	Jue Kye & Co.....	270 00	300 00	270 00
Sup. explosion coal-oil lamp.	Poon Kam.....	275 00	300 00	275 00
Sup. explosion coal-oil lamp..	Ching Choy.....	125 00	350 00	125 00
Sup. explosion coal-oil lamp..	Tom Hing.....	300 00	300 00	300 00
Sup. explosion coal-oil lamp..	Law Fat.....	400 00	650 00	400 00
Sup. explosion coal-oil lamp..	Lai Yan.....	260 00	300 00	260 00
Sup. explosion coal-oil lamp..	Ah Yan.....	300 00	300 00	300 00
Sup. explosion coal-oil lamp..	Lung Jon.....	200 00	200 00	200 00
Sup. explosion coal-oil lamp..	Chun Yook.....	150 00	200 00	150 00.
Sup. explosion coal-oil lamp..	Ah King.....	250 00	400 00	250 00
Sup. explosion coal-oil lamp..	Ah Sue.....	400 00	500 00	400 00
Sup. explosion coal-oil lamp..	Ah Ching.....	150 00	200 00	150 00
Sup. explosion coal-oil lamp..	Lum Bak.....	450 00	600 00	450 00
Sup. explosion coal-oil lamp..	Lee Chong.....	160 00	200 00	160 00
Sup. explosion coal-oil lamp..	Chun Hay.....	250 00	400 00	250 00
Sup. explosion coal-oil lamp..	Kan Yung.....	150 00	500 00	150 00
Sup. explosion coal-oil lamp..	Soo Chung.....	215 00	300 00	215 00
Sup. explosion coal-oil lamp..	Hun Kee.....	40 00	300 00	40 00
Sup. explosion coal-oil lamp..	Fung Leen.....	50 00	200 00	50 00
Sup. explosion coal-oil lamp..	Sai Kum.....	35 00	200 00	35 00
Sup. explosion coal-oil lamp..	Choy Yang.....	135 00	300 00	135 00
Sup. explosion coal-oil lamp..	Kwan Hoy.....	50 00	200 00	50 00
Sup. explosion coal-oil lamp..	Kum Leen.....	169 20	500 00	169 20
Sup. explosion coal-oil lamp..	Dang Chuan & Co.....	77 50	250 00	77 50
Sup. explosion coal-oil lamp..	Lee Yum & Co	90 00	550 00	90 00.
Sup. explosion coal-oil lamp..	Ho Heen & Co ...	275 00	300 00	275 00.
Sup. explosion coal-oil lamp..	Sai Ho.....	325 00	400 00	325 00
Sup explosion coal-oil lamp..	Lim Que.....	600 00	1,300 00	600 00

STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
June 29.	3 08 P. M...	293	Baker & Sullivan alley	Lodging house.....	3 story brick
June 29.	3 08 P. M...	293	Baker & Sullivan alley	Lodging house.....	3 story brick
June 29.	3 08 P. M...	293	Baker & Sullivan alley	Lodging house.....	3 story brick
June 29.	3 08 P. M...	293	Baker & Sullivan alley	Lodging house.....	3 story brick
June 29.	3 08 P. M...	293	Baker & Sullivan alley	Lodging house.....	3 story brick .. .
June 29.	8 03 P. M...	39	Spear near Missiou ..	Wagon works....	1 story frame....
June 29.	8 03 P. M...	39	Spear near Mission ..	Horseshoeing..	1 story frame....
June 29.	8 03 P. M...	39	Next south....	Wood-yard....	.....
June 29.	8 03 P. M...	39	Next north....	Lumber.....	.....
June 30.	2 47 P. M...	24	Powell near Jackson.	Church.	1 story frame....

FOR THE YEAR ENDING JUNE 30, 1891.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSURANCE.	PAID.
Sup. explosion coal-oil lamp..	Ah Yake.....	\$90 00	\$200 00	\$30 00
Sup. explosion coal-oil lamp..	Ah Cum.....	60 00	200 00	60 00
Sup. explosion coal-oil lamp..	Ah Young.....	300 00	300 00	300 00
Sup. explosion coal-oil lamp..	You Gum.....	50 00	700 00	50 00
Sup. explosion coal-oil lamp..	Leong Sing.....	47 50	450 00	47 50
Unknown	H. Schindler.....	4,300 00	2,100 00	2,100 00
Unknown	M. McCloskey.....	100 00	.....	.....
Unknown	— Brooks.....	50 00	.....	.....
Unknown	C. L. Dingley....	750 00	8,000 00	750 00
Spark from chimney.....	First M. E. Church.....	20 00	5,000 00	20 00

REPORT OF THE SUPERINTENDENT

OF THE

Fire Alarm and Police Telegraph.

OFFICE OF THE SAN FRANCISCO FIRE ALARM AND
POLICE TELEGRAPH, BRENNAM PLACE.

SAN FRANCISCO, June 30, 1891. }

To the Honorable the Board of Supervisors

Of the City and County of San Francisco:

GENTLEMEN: I have the honor to submit herewith my first and the twenty-sixth Annual Report of the Fire Alarm and Police Telegraph, and also the first Annual Report of the Police Patrol Telegraph.

FIRE ALARM AND POLICE TELEGRAPH.

ALARMS.

First	414
Second	6
Total	420

An increase of one hundred and twenty-six alarms as compared with the preceding year.

The Signal Boxes number two hundred and thirteen and are located as follows :

SIGNAL BOXES.

Box.

- 2—S. W. corner Mason and Lombard.
- 3—S. E. corner Stockton and Greenwich.
- 4—N. W. corner Sansome and Greenwich.
- 5—N. E. corner Battery and Union.
- 6—S. E. corner Montgomery and Green.
- 7—S. E. corner Kearny and Union.
- 8—S. W. corner Powell and Union.
- 9—N. E. corner Dupont and Vallejo.
- 12—S. W. corner California and Kearny.
- 13—S. W. corner Front and Broadway.
- 14—S. W. corner Stockton and Broadway.
- 15—S. W. corner Clay and East.
- 16—N. W. corner Mason and Pacific.
- 17—N. E. corner Pacific and Kearny.
- 18—N. E. corner Sansome and Jackson.
- 19—N. E. corner Davis and Washington.
- 21—S. E. cor. Clay and Kearny.
- 23—S. E. corner Clay and Taylor.
- 24—S. E. corner Clay and Powell.
- 25—N. W. corner Washington and Dupont.
- 26—S. E. corner Clay and Battery.
- 27—N. W. corner Montgomery and Commer'l
- 28—N. W. corner Pine and Dupont.
- 29—N. W. corner Stockton and California.
- 31—N. W. corner Sansome and Halleck.
- 32—N. E. corner California and Drumm.
- 34—S. W. corner Mission and Steuart.
- 35—S. E. corner Montgomery and Pine.
- 36—N. W. corner Folsom and Steuart.
- 37—N. E. corner Battery and Bush.
- 38—S. W. corner Market and Second.
- 39—S. E. corner Howard and Spear.
- 41—N. W. corner Sutter and Jones.
- 42—S. E. corner Geary and Mason.
- 43—O'Farrell, near Dupont.
- 45—S. E. corner O'Farrell and Jones.
- 46—N. W. corner Sutter and Kearny.
- 47—S. W. corner Eddy and Powell.
- 48—S. W. corner Geary and Kearny.
- 49—N. W. corner Stockton and Sutter.
- 51—N. W. corner Folsom and Beale.
- 52—S. W. corner Mission and Fremont.
- 53—King, east of Third.
- 54—Engine No. 4, Second, near Howard.
- 56—South side Bryant, west of First.
- 57—N. W. corner Brannan and Second.
- 58—N. W. corner Folsom and First.
- 59—S. W. cor. Brannan and First.
- 61—S. W. corner Howard and Third.
- 62—S. W. corner Mission and Fourth.

Box.

- 63—N. W. corner Harrison and Fourth.
- 64—S. W. corner Howard and Fifth.
- 65—S. W. corner Mission and Sixth.
- 67—N. E. corner Harrison and Hawthorne.
- 68—N. E. corner Brannan and Fourth.
- 69—N. W. corner Bryant and Third.
- 71—S. W. corner Mission and Eleventh.
- 72—S. E. corner Mission and Thirteenth.
- 73—S. E. corner Howard and Eighth.
- 74—Sixteenth and Albion.
- 75—N. W. corner Jones and McAllister.
- 76—S. W. corner Market and Hayes.
- 78—N. E. corner Folsom and Ninth.
- 79—S. E. corner Folsom and Thirteenth.
- 81—S. W. corner Franklin and Hayes.
- 82—N. E. corner Fulton and Gough.
- 83—N. E. corner Octavia and Oak.
- 84—Valencia and Market.
- 85—S. E. corner Laguna and Hayes.
- 86—S. W. cor. Oak and Van Ness av.
- 91—N. E. corner Hyde and Turk.
- 92—S. E. corner Franklin and Turk.
- 93—N. E. corner Jones and Turk.
- 94—S. E. corner Polk and Ellis.
- 95—N. W. corner Taylor and Golden Gate av.
- 96—S. W. corner Ellis and Taylor.
- 97—S. E. cor. McAllister and Polk.
- 98—Stockton and Ellis.
- 123—S. W. corner Hyde and Union.
- 124—North Point and Larkin.
- 125—N. W. corner Filbert and Jones.
- 126—S. E. corner Hyde and Washington.
- 127—S. E. corner Broadway and Polk.
- 128—S. E. corner Clay and Leavenworth.
- 129—N. W. corner Pacific and Leavenworth.
- 132—S. W. corner Pine and Mason.
- 134—S. E. corner Bush and Hyde.
- 135—S. E. corner Bush and Polk.
- 136—S. E. corner Post and Van Ness avenue
- 137—S. W. corner Post and Larkin.
- 138—S. W. corner California and Larkin.
- 139—S. E. corner O'Farrell and Hyde.
- 142—N. E. corner Valencia and Twentieth.
- 143—N. E. corne Mission and Twenty-second.
- 145—N. W. corner Folsom and Twenty-second.
- 146—N. E. corner Folsom and Sixteenth.
- 147—N. E. corner Howard and Twentieth.
- 148—N. E. corner Mission and Sixteenth.
- 149—N. E. corner Folsom and Eighteenth.
- 152—N. W. corner Brannan and Eighth.

Box.

- 153—N. W. corner Harrison and Seventh.
- 154—N. W. corner Bryant and Sixth.
- 156—N. E. corner Fourth and Berry.
- 157—N. W. cor. Fourth and Folsom.
- 158—N. W. cor. Folsom and Fifth.
- 159—N. W. corner Folsom and Sixth.
- 162—S. E. corner Pacific and Franklin.
- 163—S. E. corner Sacramento and Franklin.
- 164—S. E. corner Clay and Polk.
- 172—S. E. corner McAllister and Buchanan.
- 173—S. W. corner Ellis and Buchanan.
- 174—N. E. corner Turk and Fillmore.
- 175—N. E. corner Webster and Grove.
- 176—N. W. cor. Post and Octavia.
- 178—N. W. corner Buchanan and Geary.
- 179—O'Farrell and Gough.
- 182—N. E. corner Sixth and Townsend.
- 183—S. E. corner Mission and Eighth.
- 184—Folsom and Rausch.
- 185—N. E. cor. Tenth and Harrison.
- 186—Fifth and Bryant.
- 187—Ninth and Bryant.
- 192—S. W. cor. Francisco and Mason.
- 193—S. W. corner Hyde and Chestnut.
- 194—N. W. corner Stockton and Francisco.
- 213—S. W. corner Bush and Buchanan.
- 214—S. E. corner Bush and Steiner.
- 215—S. W. corner Washington and Webster.
- 216—S. E. corner Sacramento and Fillmore.
- 217—S. E. corner Bush and Devisadero.
- 218—N. E. corner Post and Fillmore.
- 219—S. E. corner Filbert and Fillmore.
- 231—N. W. corner Howard and Twenty-fourth.
- 234—N. W. corner Harrison and Twenty-fourth.
- 235—S. W. cor. Twenty-Second and Potrero av.
- 236—N. E. corner Mission and Twenty-sixth.
- 237—S. W. corner Dolores and Twenty-second.
- 238—Potrero av. and Santa Clara.
- 239—N. W. cor. Butte and Bryant av.
- 241—S. E. corner Gough and Bush.
- 243—N. W. corner Clay and Scott.
- 245—S. W. corner Geary and Steiner.
- 246—S. E. corner Geary and Devisadero.
- 247—N. W. corner Turk and Scott.
- 248—N. E. corner Devisadero and Fulton.
- 249—Lott and McAllister.
- 251—N. E. corner Broadway and Octavia.
- 253—N. E. corner Union and Laguna.
- 254—N. E. corner Union and Pierce.
- 256—S. E. cor. Fillmore and Pacific.
- 257—Fillmore and Chestnut.
- 258—Pacific avenue and Pierce.

Box.

- 261—S. W. corner Stevenson and Ecker.
- 263—N. E. cor. Main and Bryant.
- 264—N. E. cor. California and Front.
- 265—Main and Mission.
- 267—Market and Beale.
- 271—S. W. corner Seventeenth and Church.
- 273—Eighteenth, east of Castro.
- 274—N. W. cor. Twenty fourth and Guerrero.
- 275—N. E. cor. 24th and Church.
- 276—S. W. cor. Valencia and 18th.
- 278—Castro and Twenty-fourth.
- 279—Mission and Nineteenth.
- 281—San Bruno Road and Twenty-eighth.
- 283—N. W. cor. 28th and Church.
- 284—N. W. cor. 29th and Mission.
- 285—Florida and Twenty-fifth.
- 286—N. E. cor. 24th and York.
- 287—Sanchez and Twenty-ninth.
- *289—Colusa and Kansas.
- 291—S. W. corner Jones and Vallejo.
- *293—Jackson and Stockton.
- *294—Sacramento and Waverley.
- 312—N. E. corner Jackson and Laguna.
- 314—S. E. corner California and Laguna.
- 321—S. E. corner Pierce and California.
- 324—S. E. corner Sacramento and Broderick.
- 325—S. E. corner California and Central ave.
- 326—S. E. corner Sutter and Baker.
- 327—N. W. cor. Geary and Boyce.
- 328—Geary and Wood.
- 341—S. W. cor. Ellis and Pierce.
- 342—S. E. cor. Golden Gate av. & Octavia.
- 351—N. W. cor. Montgomery and Broadway.
- 352—North Point and Kearny.
- 361—S. E. cor. Ridley and Guerrero.
- 362—N. W. corner Noe and Fifteenth.
- 364—S. E. corner Howard and Fourteenth.
- 365—Alameda and Channel.
- 367—Clara avenue and Eighteenth.
- 368—Market and Fourteenth.
- 371—N. E. corner Sutter and Mason.
- 372—S. E. corner Post and Leavenworth.
- 381—S. E. corner Haight and Buchanan.
- 382—N. W. corner Fillmore and Waller.
- 384—N. E. corner Webster and Oak.
- 385—S. E. corner Haight and Scott.
- 386—Oak and Devisadero.
- 387—Hayes and Broderick.
- 391—Ashbury near Frederick.
- 412—Lobos avenue and Third avenue.
- *425—Baker and Greenwich.
- *426—Harbor View.

* New boxes erected during the past year.

SOUTH SAN FRANCISCO BRANCH.

2—San Bruno Road and 28th.

3—Honduras and Kentucky.

4—Teneriffe and St. John.

5—West side Kentucky, bet. Sierra and Nev'a.

6—Tennessee and Solano.

7—Yazoo and St. Thomas.

8—Michigan, between Sierra and Nevada. 12

9—Napa, between Michigan and Georgia.

12—Railroad and Eleventh avenues.

GONGS AND TOWER BELLS.

One hundred and twenty-seven Gongs and Tower Bells are operated directly from this office.

Gongs..... 12

BELLS.

Of 4,000 pounds weight.....	1
Of 2,000 " ".....	2
Of 800 " ".....	1
Of 300 " ".....	2
Total.....	127

TABLE 1.

SHOWING THE NUMBER OF ALARMS FROM EACH BOX DURING THE YEAR.

Box.....	Alarms....	Box.....	Alarms....	Box.....	Alarms....	Box.....	Alarms....	Box.....	Alarms....
2	1	52	4	127	1	193	1	281	6
3	.....	53	3	128	.....	194	.....	283	4
4	.....	54	.....	129	.....	213	3	284	5
5	2	56	4	132	.....	214	.....	285	3
6	.....	57	2	134	1	215	.....	286	2
7	2	58	2	135	1	216	5	287	.....
8	5	59	.....	136	2	217	.....	289	.....
9	5	61	8	137	2	218	.....	291	1
12	2	62	5	138	.....	219	.....	292	3
13	3	63	6	139	3	231	.....	294	.....
14	1	64	3	142	6	234	1	312	1
15	2	65	5	143	1	235	.....	314	.....
16	1	67	3	145	1	236	3	321	.....
17	8	68	3	146	5	237	2	324	2
18	2	69	1	147	.....	238	.....	325	3
19	10	71	2	148	2	239	.....	326	3
21	4	72	4	149	1	241	.....	327	.....
23	.....	73	5	152	4	243	.....	328	.....
24	6	74	.....	153	4	245	.....	341	4
25	11	75	1	154	5	246	.....	342	1
26	.....	76	2	156	2	247	1	351	1
27	6	78	4	157	3	248	.....	352	.....
28	.....	79	5	158	4	249	.....	361	.....
29	4	81	4	159	6	251	.....	362	3
31	5	82	.....	162	.....	253	2	364	2
32	4	83	5	163	.....	254	1	365	.....
34	1	84	5	164	2	256	.....	367	1
35	5	85	5	172	.....	257	1	368	3
36	3	86	1	173	1	258	.....	371	2
37	2	91	5	174	.....	261	3	372	1
38	5	92	.....	175	.....	263	1	381	1
39	1	93	2	176	3	264	2	382	3
41	1	94	1	178	.....	265	5	384	.....
42	1	95	3	179	1	267	1	385	1
43	5	96	2	182	2	271	.....	386	2
45	3	97	3	183	3	273	.....	387	.....
46	2	98	1	184	3	274	3	391	.....
47	6	123	1	185	3	275	2	412	1
48	9	124	2	186	3	276	.....	425	.....
49	3	125	.....	187	1	278	1	426	.....
51	3	126	.....	192	1	279	.....	.....	.....

TABLE No. 3.

SHOWING THE NUMBER OF ALARMS EACH DAY AND MONTH DURING THE YEAR.

DAY OF WEEK.	1890.						1891.						Total.....
	July	August	September ..	October.....	November...	December...	January...	February...	March	April	May	June	
Sunday.....	11	7	....	7	3	3	3	5	4	3	5	10	61
Monday.....	5	6	2	2	9	9	7	7	3	3	9	3	65
Tuesday.....	7	3	2	8	9	6	6	4	5	3	....	5	58
Wednesday.....	3	6	2	5	5	8	4	2	4	6	4	4	53
Thursday.....	7	5	7	6	6	4	4	6	2	4	1	9	61
Friday.....	12	9	4	5	8	2	6	6	1	1	1	3	58
Saturday.....	11	4	6	4	6	3	5	4	3	7	7	4	64
Totals.....	56	40	23	37	46	35	35	34	22	27	27	38	420

BATTERIES.

There are now in use 214 gravity, 17 Fuller, 225 electropion and nine Leclanche cells. I have introduced a new battery test. It has proved its efficiency by prolonging the life of the batteries, thereby saving time, labor and battery materials.

WIRES.

There are now in operation 170 miles of wire, divided into twelve signal seven alarm and two tapper circuits.

The signal circuits have been extended to the districts of Harbor View and Richmond.

Thirteen gongs have been added to the alarm and tapper circuits.

The tower bells of engine companies four and six have been disconnected by order of the Chief of the Fire Department.

REMARKS.

The system has been generally overhauled and is in the best possible condition attainable with the present appropriation and repair force.

The repair force consists of one repairer and four assistants.

I wish to ask that provision be made for the payment of the salaries of these assistants from a fund other than that for extension and repairs. As it

is, this fund is totally inadequate for the proper maintenance of the system. Especially is this so as regards the distribution of boxes, the present number of boxes being far below that necessary for a proper and reliable protection of the city.

The addition of a fourth operator would add greatly to the efficiency of the system. In case of sickness or otherwise, no member of the present force can leave his post of duty without working great hardship on the remaining members, who are then compelled to stand a long double watch. To do this for any length of time would render them unfit for their responsible duties.

Were the present force increased to four men, the chance of a serious mistake in the transmission of alarms would be greatly lessened.

I earnestly request the appointment of a fourth operator.

When I assumed charge of this office, February 1, 1891, I found the expenditures largely in excess of the monthly allowance. I regret to say that I have been unable to reduce that overdraft, which has resulted in a deficit.

The employees of this Department are:

Superintendent.....	CHAS. J. THOMAS
Operator.....	WILLIAM R. HEWITT
Operator.....	F. E. HASKELL
Operator.....	W. MORTON
Repairer.....	R. J. SWEENEY

EXPENDITURES.

Superintendent.....	\$2,400 00
Operators (3) at \$125 per month.....	4,500 00
Repairer.....	1,200 00
1890—July.....	904 79
August.....	1,161 08
September.....	625 95
October.....	741 30
November.....	604 61
December.....	1,313 90
1891—January.....	668 07
February.....	555 18
March.....	838 05
April.....	835 12
May.....	1,252 97
June.....	744 20
Total.....	<u>\$18,345 22</u>
Total amount appropriated.....	\$18,100 00
Total amount expended.....	<u>18,345 22</u>
Deficiency.....	<u>\$245 22</u>

POLICE PATROL TELEGRAPH.

In accordance with Resolution No. 3,357, passed by the Board of Supervisors May 5, 1890, the Municipal Police Alarm and Intercommunication System of Boston was selected for use of the San Francisco Police Department.

The Committee on Health and Police were empowered to purchase eighty boxes and three central stations complete with all appliances and appurtenances, for the sum of \$11,850.

The system ordered was to consist of—

First—Eighty signal boxes, embracing :

- Eighty (80) boxes (case.)
- Eighty (80) set top and bottom pipes.
- Eighty (80) ground plates with wires attached
- Eighty (80) multiple signal movements.
- Eighty (80) polarized bells for receiveign return signals.
- Eighty (80) condensers for telephones.
- Eighty (80) cells battery for telephones.
- Eighty (80) cords and weights for telephones.
- Eighty (80) hangers for telephones.
- Eighty (80) lightning arresters.
- Cable for connecting boxes to main line.

Second—Three central stations, embracing :

- Three (3) Automatic Recording Registers (four pen).
- Mechanism which, in connection with an alarm bell, automatically distinguish between "silent" and alarm signals.
- Mechanism which, in connection with the electro-magnet of a time-stamping service, automatically impresses upon the signal the time of its reception.
- Mechanism which, in connection with a switch moved at the will of an operator, automatically sounds a return signal at the street box when a signal is transmitted therefrom.
- Three (3) automatic time stamps.
- Three (3) cords and weights for same.
- Three (3) paper rests.
- Three (3) paper reels.

- Three (3) rotary telephone switches,
- Three swinging arm supports for telephone.
- Three (3) cords for telephone.
- Three (3) condensers for telephone.
- Three (3) alarm bells.
- Twelve (12) double contact relays.
- Twelve (12) pole changers
- Three (3) Bunnell improved, three (3) coil galvanometers.
- Thirty-six (3) cells local battery for working instruments.
- Six cells local battery for working telephones
- Three (3) four circuit cherry cabinet desks.
- One (1) ground switch on local battery for testing.
- Four (4) ground swltches on main line for testing.
- One (1) three-point switch on galvanometer for testing.
- Four (4) switches used in connection with the register.
- Four (4) switches used in connection with return signal.
- Twelve (12) line spring jacks.
- Four (4) line plugs, with cord attached.
- One (1) galvanometer plug, with cord and weight.
- Four (4) sets line plates.
- Four (4) sets ground plates.
- Four (4) sets telephone plates.
- Oue (1) set identification charts.
- One (1) double contact annunciator drop.

Construction of the system commenced July 28, 1890, and has since steadily progressed until now there are in operation the three stations called for in the resolution above mentioned.

The station at Seventeenth and Howard streets includes in its protection all that part of the city west of ninth and south of Market streets.

The New City Hall station includes all that part of the city west of Mason and north of Market streets.

The Old City Hall station includes all east of Mason and north of Market streets.

The boxes number eighty and are located as follows :

SEVENTEENTH STREET STATION.

No.	CIRCUIT No. 1.	No.	CIRCUIT No. 3.
5	Sixteenth and Folsom.	33	Twenty-second and Dolores.
7	Fourteenth and Howard.	35	Twenty-eighth and Church.
13	Ninth and Mission.	41	Twenty-ninth and Dolores.
15	Twelfth and Folsom.	43	Twenty-ninth and Mission.
17	Tenth and Harrison.	51	Mission and Randall (4 mile house).
23	Ninth and Brannan.	21	Courtland avenue, opp. Schoolhouse.
25	Tenth and Howard.	53	Mission and Valencia.
31	Mission, between 13th and 14th.	61	Twenty-fifth and Valencia.
		63	Twenty-fourth and Mission.
		71	Twenty first and Howard

No.	CIRCUIT No. 2.	No.	CIRCUIT No. 4.
4	Twenty-fourth and Folsom.	24	Fifteenth and Guerrero.
6	Twenty-sixth and Folsom.	26	Seventeenth and Church.
8	Alabama and Precita place.	32	Seventeenth and Castro.
12	Twenty-fourth and Potrero avenue.	34	Fourteenth and Noe.
14	San Bruno road Chemical Works.	36	Nineteenth and Castro.
16	Santa Clara and Potrero avenue.	42	Twenty-fourth and Castro.
22	Butte and Bryant.	44	Twenty-fourth and Church.
		52	Twentieth and Valencia.

NEW CITY HALL STATION.

No.	CIRCUIT No. 1.	No.	CIRCUIT No. 3.
5	Oak and Van Ness.	23	Geary and Van Ness.
7	Hayes and Broderick.	25	Sutter and Octavia.
13	Haight and Stanyan.	31	Sacramento and Webster.
17	Haight and Scott.	33	Pacific and Fillmore.
21	Haight and Gough.	35	Union and Steiner.
		41	California and Fillmore.
		43	Geary and Buchanan.

No.	CIRCUIT No. 2.	No.	CIRCUIT No. 4.
4	McAllister and Gough.	24	Turk and Mason.
6	Ellis and Steiner.	26	Geary and Mason.
8	California and Central avenue.	32	Sutter and Leavenworth.
12	Geary and Central avenue.	34	Union and Polk.
14	Golden Gate avenue and Fillmore.	42	Sutter and Polk.
22	Hayes and Laguna.	44	O'Farrell and Hyde.

OLD CITY HALL STATION.

No.	Circuit No. 1.	No.	Circuit No. 3.
5	Clay and Battery.	23	Vallejo and Montgomery avenue.
17	Sacramento and East. ¹	25	Union and Dupont,
13	Jackson and Davis.	31	Union and Powell.
17	Front and Broadway.	33	Jones and Pacific.
21	Battery and Union.	35	Washington and Mason.
		41	Pacific and Powell.
		43	Washington and Dupont.

No.	Circuit No. 2.	No.	Circuit No. 4.
4	Bush and Montgomery.	26	Bay and Kearny.
6	Bush and Dupont.	32	Francisco and Powell.
8	Stockton and Post.	34	Bay and Taylor.
12	Ellis and Stockton.	42	Mason and Montgomery avenue.
14	Kearny and Market.		
22	Sansome and Market.		
24	California and Sansome.		

EXPENDITURES.

1890—July.....	\$1,171 35	1891—January.....	\$1,038 85
August.....	1,842 20	February.....	617 05
September.....	1,296 98	March.....	861 98
October.....	431 45	April.....	1,523 41
November.....	1,946 67	May.....	535 85
December.....	1 338 77	June.....	811 55

The above amount, \$13,466 29, has been paid out for the construction and maintenance of the system since its adoption.

I wish to ask that action be taken towards consolidating the appropriations for the Fire Alarm and Police Telegraph and the Police Patrol Telegraph department.

During the past year considerable confusion has arisen from Fire Alarm bills being presented as charged to the Police Patrol and vice versa.

I desire to express my thanks to his Honor Mayor Sanderson, the Fire Department Committee, the Health and Police Committee, and the Board of Supervisors, for their support. To Chief Scannell and Acting Chief Sullivan and their assistants, Chief Crowley and his officers, Captain White of the Fire Patrol, for their co-operation, and the members of the Board of Underwriters for their courtesy, I am under many obligations.

Respectfully submitted,

CHAS. J. THOMAS,

Superintendent.







